

Clone

Name	Code	Accession No.	Gene ID	Vector	Length
A1CF	CSB-CL001002HU1	BC054873	29974	pENTR223.1 or pUC	369
A1CF	CSB-CL001002HU2	BC130519	29974	pENTR223.1 or pUC	1785
A4GNT	CSB-CL001009HU	BC119639	51146	pENTR223.1 or pUC	1023
AAAS	CSB-CL878867HU	BC000659	8086	pENTR223.1 or pUC	1641
AADAC	CSB-CL001014HU	BC032309	13	pENTR223.1 or pUC	1200
AADACL2	CSB-CL001016HU	BC065724	344752	pENTR223.1 or pUC	1140
AADAT	CSB-CL843276HU	BC031068	51166	pENTR223.1	1290
AAK1	CSB-CL643571HU	BC002695	22848	pENTR223.1 or pUC	1423
AAMP	CSB-CL615711HU	BC014122	14	pENTR223.1 or pUC	1167
AARSD1	CSB-CL863119HU	BC004172	80755	pENTR223.1 or pUC	1578
AASDHPPT	CSB-CL865121HU1	BC016728	60496	pENTR223.1 or pUC	930
AASDHPPT	CSB-CL865121HU2	BC015470	60496	pENTR223.1 or pUC	930
AATF	CSB-CL865175HU	BC000591	26574	pENTR223.1	1683
ABAT	CSB-CL001032HU1	BC008990	18	pENTR223.1 or pUC	351
ABAT	CSB-CL001032HU2	BC031413	18	pENTR223.1 or pUC	1503
ABAT	CSB-CL001032HU3	BC015628	18	pUC	1503
ABCA11P	CSB-CL706339HU	BC098116	79963	pENTR223.1 or pUC	201
ABCA3	CSB-CL859942HU	BC062779	21	pENTR223.1 or pUC	630
ABCA9	CSB-CL812864HU	BC062472	10350	pENTR223.1 or pUC	489
ABCB5	CSB-CL643574HU	BC104894	340273	pENTR223.1	2439
ABCB8	CSB-CL868325HU2	BC141836	11194	pENTR223.1	2082
ABCC11	CSB-CL846641HU	BC039085	85320	pENTR223.1 or pUC	1662
ABCC9	CSB-CL001067HU	BC033804	10060	pENTR223.1	450
ABCD3	CSB-CL001074HU1	BC009712	5825	pENTR223.1 or pUC	711
ABCE1	CSB-CL001076HU	BC016283	6059	pENTR223.1 or pUC	1800



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ABCF2	CSB-CL871400HU	BC001661	10061	pENTR223.1 or pUC	1872
ABCF3	CSB-CL889115HU1	BC009253	55324	pENTR223.1 or pUC	2130
ABCG8	CSB-CL875651HU	BC113657	64241	pENTR223.1	2022
ABHD10	CSB-CL865140HU	BC014516	55347	pENTR223.1 or pUC	921
ABHD11	CSB-CL844049HU	BC008251	83451	pENTR223.1 or pUC	399
ABHD12B	CSB-CL772026HU1	BC034603	145447	pENTR223.1 or pUC	345
ABHD12B	CSB-CL772026HU2	BC107142	145447	pENTR223.1 or pUC	858
ABHD13	CSB-CL765976HU	BC022566	84945	pENTR223.1 or pUC	606
ABHD14A	CSB-CL874812HU	BC002571	25864	pENTR223.1 or pUC	816
ABHD14B	CSB-CL842687HU	BC007234	84836	pENTR223.1	633
ABHD2	CSB-CL001094HU	BC019248	11057	pENTR223.1 or pUC	1278
ABHD3	CSB-CL845142HU	BC021196	171586	pENTR223.1 or pUC	1230
ABHD5	CSB-CL819884HU	BC021958	51099	pENTR223.1 or pUC	1050
ABI2	CSB-CL001102HU	BC001439	10152	pENTR223.1 or pUC	1428
ABI3	CSB-CL873732HU	BC007780	51225	pENTR223.1 or pUC	1101
ABI3BP	CSB-CL772035HU	BC030221	25890	pUC	3228
ABLIM1	CSB-CL001107HU	BC002448	3983	pENTR223.1	1206
ABLIM2	CSB-CL753612HU	BC122567	84448	pENTR223.1 or pUC	1566
ABLIM3	CSB-CL001109HU	BC001665	22885	pENTR223.1 or pUC	1635
ABO	CSB-CL001110HU1	BC069595	28	pENTR223.1 or pUC	1065
ABO	CSB-CL001110HU2	BC111575	28	pENTR223.1 or pUC	1065
ABT1	CSB-CL001114HU1	BC066313	29777	pENTR223.1 or pUC	819
ABT1	CSB-CL001114HU2	BC048812	29777	pENTR223.1 or pUC	819
ABTB1	CSB-CL839277HU	BC011858	80325	pENTR223.1 or pUC	1437
ACAA1	CSB-CL001117HU1	BC014474	30	pENTR223.1 or pUC	996
ACAA2	CSB-CL001118HU	BC001918	10449	pENTR223.1 or pUC	1194
ACAD10	CSB-CL743611HU1	BC015056	80724	pENTR223.1 or pUC	714



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ACAD10	CSB-CL743611HU2	BC126358	80724	pUC	3180
ACAD11	CSB-CL754597HU1	BC019607	84129	pENTR223.1 or pUC	1176
ACAD11	CSB-CL754597HU2	BC125204	84129	pENTR223.1 or pUC	2343
ACAD8	CSB-CL892457HU	BC001964	27034	pENTR223.1 or pUC	1248
ACAD9	CSB-CL887999HU1	BC013354	28976	pENTR223.1 or pUC	1866
ACADL	CSB-CL001125HU	BC039063	33	pENTR223.1 or pUC	1293
ACADM	CSB-CL001126HU	BC005377	34	pENTR223.1 or pUC	1266
ACADSB	CSB-CL001128HU	BC013756	36	pENTR223.1 or pUC	1299
ACAP1	CSB-CL622985HU	BC018543	9744	pENTR223.1 or pUC	2223
ACAT1	CSB-CL001134HU	BC010942	38	pENTR223.1	489
ACBD4	CSB-CL818758HU1	BC029164	79777	pENTR223.1 or pUC	918
ACBD4	CSB-CL818758HU2	BC041143	79777	pENTR223.1 or pUC	1026
ACBD5	CSB-CL725893HU	BC030555	91452	pENTR223.1 or pUC	1473
ACBD7	CSB-CL854056HU	BC029526	414149	pENTR223.1 or pUC	267
ACCS	CSB-CL847213HU	BC020197	84680	pENTR223.1 or pUC	1506
ACE2	CSB-CL866317HU	BC039902	59272	pENTR223.1 or pUC	2418
ACLY	CSB-CL001158HU	BC006195	47	pUC	3306
ACMSD	CSB-CL851554HU	BC016018	130013	pENTR223.1 or pUC	837
ACOT11	CSB-CL855502HU	BC001517	26027	pENTR223.1 or pUC	666
ACOT4	CSB-CL822738HU1	BC031799	122970	pENTR223.1 or pUC	669
ACOT4	CSB-CL822738HU2	BC117341	122970	pENTR223.1 or pUC	1266
ACOT6	CSB-CL668210HU	BC126378	641372	pENTR223.1 or pUC	624
ACOT7	CSB-CL001169HU	BC017365	11332	pENTR223.1 or pUC	1017
ACOT9	CSB-CL897539HU	BC012573	23597	pENTR223.1 or pUC	639
ACOX1	CSB-CL617998HU	BC010425	51	pENTR223.1 or pUC	1983
ACOX3	CSB-CL001174HU	BC017053	8310	pENTR223.1 or pUC	1875
ACP1	CSB-CL001176HU1	BC007422	52	pENTR223.1 or pUC	477



Name	Code	Accession No.	Gene ID	Vector	Length
ACP1	CSB-CL001176HU2	BC020699	52	pENTR223.1 or pUC	213
ACP5	CSB-CL001178HU	BC025414	54	pENTR223.1	978
ACP6	CSB-CL889072HU1	BC034686	51205	pENTR223.1 or pUC	1287
ACP6	CSB-CL889072HU2	BC009965	51205	pENTR223.1 or pUC	1287
ACPP	CSB-CL001181HU1	BC008493	55	pENTR223.1 or pUC	1161
ACPP	CSB-CL001181HU2	BC016344	55	pENTR223.1 or pUC	1161
ACRV1	CSB-CL001186HU	BC014588	56	pENTR223.1 or pUC	798
ACSBG1	CSB-CL853424HU	BC009289	23205	pENTR223.1 or pUC	2175
ACSBG2	CSB-CL685911HU	BC022027	81616	pENTR223.1 or pUC	2001
ACSF2	CSB-CL853397HU1	BC014123	80221	pENTR223.1 or pUC	1848
ACSF2	CSB-CL853397HU2	BC012053	80221	pENTR223.1 or pUC	1848
ACSL1	CSB-CL001191HU	BC050073	2180	pENTR223.1 or pUC	2097
ACSL4	CSB-CL001193HU	BC034959	2182	pENTR223.1 or pUC	2013
ACSL5	CSB-CL891734HU	BC007985	51703	pENTR223.1 or pUC	2052
ACSL6	CSB-CL892139HU	BC047453	23305	pENTR223.1 or pUC	1869
ACSM1	CSB-CL600559HU	BC125178	116285	pENTR223.1 or pUC	1734
ACSM3	CSB-CL709601HU	BC002790	6296	pENTR223.1 or pUC	1293
ACSM5	CSB-CL764669HU1	BC016703	54988	pENTR223.1 or pUC	627
ACSM5	CSB-CL764669HU2	BC013753	54988	pENTR223.1 or pUC	627
ACSM5	CSB-CL764669HU3	BC068516	54988	pENTR223.1 or pUC	1740
ACSS2	CSB-CL873629HU2	BC010141	55902	pENTR223.1	1329
ACSS2	CSB-CL873629HU1	BC012172	55902	pENTR223.1 or pUC	2106
ACTA1	CSB-CL001205HU	BC012597	58	pENTR223.1 or pUC	1134
ACTA2	CSB-CL001206HU	BC017554	59	pENTR223.1	1134
ACTB	CSB-CL001207HU1	BC012854	60	pENTR223.1	1083
ACTB	CSB-CL001207HU2	BC001301	60	pENTR223.1 or pUC	1128
ACTB	CSB-CL001207HU3	BC016045	60	pENTR223.1	1128



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ACTC1	CSB-CL001221HU	BC009978	70	pENTR223.1 or pUC	1134
ACTG1	CSB-CL001222HU1	BC012050	71	pENTR223.1	1128
ACTG1	CSB-CL001222HU2	BC000292	71	pENTR223.1 or pUC	1128
ACTG1	CSB-CL001222HU3	BC018774	71	pENTR223.1 or pUC	1128
ACTG2	CSB-CL001223HU	BC012617	72	pUC	1131
ACTL6B	CSB-CL001237HU	BC020944	51412	pENTR223.1 or pUC	1281
ACTL7A	CSB-CL896747HU	BC014610	10881	pENTR223.1 or pUC	1308
ACTL7B	CSB-CL897577HU	BC033789	10880	pENTR223.1 or pUC	1248
ACTL8	CSB-CL887982HU	BC028909	81569	pENTR223.1 or pUC	1101
ACTN4	CSB-CL001244HU	BC005033	81	pENTR223.1	2736
ACTR10	CSB-CL889156HU	BC011997	55860	pENTR223.1 or pUC	1254
ACTR1A	CSB-CL001246HU	BC000693	10121	pENTR223.1 or pUC	1131
ACTR1B	CSB-CL001247HU1	BC006372	10120	pENTR223.1 or pUC	1131
ACTR1B	CSB-CL001247HU2	BC004374	10120	pENTR223.1 or pUC	1131
ACTR3	CSB-CL001249HU	BC044590	10096	pENTR223.1 or pUC	1257
ACTR3B	CSB-CL878955HU1	BC015207	57180	pENTR223.1 or pUC	1047
ACTR3B	CSB-CL878955HU2	BC008682	57180	pENTR223.1 or pUC	1257
ACTR6	CSB-CL861972HU	BC015107	64431	pENTR223.1 or pUC	1191
ACTR8	CSB-CL872523HU	BC032744	93973	pENTR223.1	990
ACTRT1	CSB-CL001255HU	BC014597	139741	pENTR223.1 or pUC	1131
ACTRT2	CSB-CL001256HU	BC029499	140625	pENTR223.1 or pUC	1131
ACVR1B	CSB-CL001258HU	BC000254	91	pENTR223.1 or pUC	1518
ACVR1C	CSB-CL854112HU	BC022530	130399	pENTR223.1 or pUC	1482
ACVR2A	CSB-CL001260HU1	BC069707	92	pENTR223.1 or pUC	1542
ACVR2A	CSB-CL001260HU2	BC067418	92	pENTR223.1 or pUC	1542
ACVR2B	CSB-CL623829HU	BC096243	93	pENTR223.1 or pUC	1539
ACVRL1	CSB-CL001262HU	BC042637	94	pENTR223.1 or pUC	1512



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ACYP2	CSB-CL001266HU	BC012290	98	pENTR223.1	300
ADA	CSB-CL001268HU	BC007678	100	pENTR223.1 or pUC	1092
ADAD1	CSB-CL822259HU	BC040229	132612	pENTR223.1 or pUC	1698
ADAL	CSB-CL724932HU	BC075857	161823	pENTR223.1 or pUC	804
ADAM10	CSB-CL001273HU	BC126253	102	pENTR223.1 or pUC	1539
ADAM15	CSB-CL614414HU	BC014566	8751	pENTR223.1 or pUC	2445
ADAM2	CSB-CL857465HU2	BC064547	2515	pENTR223.1 or pUC	1740
ADAM2	CSB-CL857465HU1	BC034957	2515	pENTR223.1 or pUC	2151
ADAM20	CSB-CL001281HU	BC025378	8748	pENTR223.1 or pUC	2181
ADAM22	CSB-CL865198HU1	BC036029	53616	pENTR223.1	1029
ADAM30	CSB-CL891948HU	BC028372	11085	pENTR223.1 or pUC	2373
ADAM32	CSB-CL851538HU1	BC026169	203102	pENTR223.1 or pUC	2364
ADAM32	CSB-CL851538HU2	BC026085	203102	pENTR223.1 or pUC	2364
ADAM33	CSB-CL861182HU1	BC062663	80332	pENTR223.1 or pUC	258
ADAM7	CSB-CL863964HU	BC058037	8756	pENTR223.1 or pUC	633
ADAM9	CSB-CL618774HU	BC126406	8754	pUC	2139
ADAMDEC1	CSB-CL001297HU	BC069582	27299	pENTR223.1 or pUC	1413
ADAMTS12	CSB-CL001300HU1	BC058841	81792	pENTR223.1 or pUC	690
ADAMTS4	CSB-CL001311HU	BC030812	9507	pENTR223.1 or pUC	1020
ADAMTSL1	CSB-CL818715HU1	BC030262	92949	pENTR223.1 or pUC	1320
ADAMTSL1	CSB-CL818715HU2	BC100788	92949	pENTR223.1 or pUC	1404
ADAMTSL2	CSB-CL801225HU	BC050544	9719	pENTR223.1 or pUC	2856
ADAMTSL3	CSB-CL001319HU	BC128389	57188	pUC	5076
ADAP1	CSB-CL001322HU	BC033747	11033	pENTR223.1 or pUC	1125
ADAP2	CSB-CL889071HU	BC033758	55803	pENTR223.1 or pUC	1143
ADAT1	CSB-CL863123HU	BC002758	23536	pENTR223.1 or pUC	1509
ADAT2	CSB-CL767210HU	BC037955	134637	pENTR223.1 or pUC	483



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ADCK4	CSB-CL839305HU1	BC013114	79934	pENTR223.1 or pUC	1635
ADCK4	CSB-CL839305HU2	BC027473	79934	pENTR223.1 or pUC	1512
ADCY3	CSB-CL001339HU	BC126235	109	pUC	3435
ADD1	CSB-CL001348HU	BC013393	118	pENTR223.1 or pUC	1203
ADH4	CSB-CL001356HU	BC022319	127	pENTR223.1 or pUC	1143
ADH5	CSB-CL001357HU	BC014665	128	pENTR223.1 or pUC	1125
ADH7	CSB-CL001362HU	BC131512	131	pENTR223.1 or pUC	1161
ADIG	CSB-CL001365HU1	BC029594	149685	pENTR223.1 or pUC	357
ADIG	CSB-CL001365HU2	BC119704	149685	pENTR223.1 or pUC	243
ADIPOQ	CSB-CL618019HU	BC096308	9370	pENTR223.1	735
ADIPOR1	CSB-CL856893HU	BC001594	51094	pENTR223.1	1128
ADIPOR2	CSB-CL768214HU	BC051858	79602	pENTR223.1	1161
ADORA1	CSB-CL001375HU	BC026340	134	pENTR223.1 or pUC	981
ADORA2A	CSB-CL001376HU	BC013780	135	pENTR223.1	1239
ADORA2B	CSB-CL001377HU	BC025722	136	pENTR223.1	999
ADORA3	CSB-CL001379HU1	BC029831	140	pENTR223.1 or pUC	957
ADORA3	CSB-CL001379HU2	BC041707	140	pENTR223.1 or pUC	627
ADPRHL1	CSB-CL839860HU	BC009755	113622	pENTR223.1 or pUC	819
ADRB2	CSB-CL001392HU2	BC063486	154	pENTR223.1	1242
ADRBK2	CSB-CL001395HU	BC036797	157	pENTR223.1 or pUC	1164
ADRM1	CSB-CL614959HU	BC017245	11047	pENTR223.1	1224
ADSL	CSB-CL001397HU	BC000253	158	pENTR223.1 or pUC	1455
ADSS	CSB-CL001398HU	BC012356	159	pENTR223.1 or pUC	1371
AEBP2	CSB-CL747778HU	BC015624	121536	pENTR223.1 or pUC	888
AEN	CSB-CL819883HU1	BC014407	64782	pENTR223.1 or pUC	630
AEN	CSB-CL819883HU2	BC020988	64782	pENTR223.1 or pUC	978
AEN	CSB-CL819883HU3	BC005164	64782	pENTR223.1 or pUC	984



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AFAP1	CSB-CL839800HU	BC032777	60312	pENTR223.1 or pUC	2193
AFF4	CSB-CL890687HU1	BC025700	27125	pENTR223.1 or pUC	1098
AFF4	CSB-CL890687HU2	BC063007	27125	pENTR223.1	1062
AFP	CSB-CL001421HU	BC027881	174	pENTR223.1	1830
AFTPH	CSB-CL001422HU	BC022247	54812	pENTR223.1 or pUC	417
AGA	CSB-CL001423HU	BC012392	175	pENTR223.1 or pUC	1041
AGBL2	CSB-CL732978HU	BC028200	79841	pENTR223.1 or pUC	858
AGBL4	CSB-CL713349HU	BC126383	84871	pENTR223.1 or pUC	807
AGER	CSB-CL001441HU	BC020669	177	pENTR223.1 or pUC	1215
AGFG1	CSB-CL001442HU1	BC030592	3267	pENTR223.1 or pUC	1689
AGFG1	CSB-CL001442HU2	BC096273	3267	pENTR223.1 or pUC	1689
AGGF1	CSB-CL001444HU1	BC002828	55109	pENTR223.1 or pUC	330
AGK	CSB-CL706634HU1	BC009775	55750	pENTR223.1	198
AGK	CSB-CL706634HU2	BC022777	55750	pENTR223.1	1269
AGPAT1	CSB-CL859948HU2	BC002402	10554	pENTR223.1 or pUC	852
AGPAT2	CSB-CL001450HU1	BC019292	10555	pENTR223.1 or pUC	840
AGPAT3	CSB-CL865125HU1	BC011971	56894	pENTR223.1 or pUC	1131
AGPAT3	CSB-CL865125HU2	BC004219	56894	pENTR223.1 or pUC	192
AGPAT3	CSB-CL865125HU3	BC063552	56894	pENTR223.1 or pUC	1131
AGPAT5	CSB-CL882109HU	BC023550	55326	pENTR223.1 or pUC	1095
AGPAT6	CSB-CL801232HU	BC051377	137964	pENTR223.1 or pUC	1371
AGR2	CSB-CL001458HU	BC015503	10551	pENTR223.1 or pUC	528
AGR3	CSB-CL848404HU	BC058284	155465	pENTR223.1 or pUC	501
AGT	CSB-CL001463HU	BC011519	183	pENTR223.1	1458
AGTR1	CSB-CL001465HU1	BC022447	185	pENTR223.1	1080
AGTR1	CSB-CL001465HU2	BC068494	185	pENTR223.1 or pUC	1080
AGTRAP	CSB-CL744194HU	BC017328	57085	pENTR223.1	459



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AGXT2L1	CSB-CL819453HU	BC022526	64850	pENTR223.1 or pUC	1500
AGXT2L2	CSB-CL815549HU1	BC008009	85007	pENTR223.1 or pUC	528
AGXT2L2	CSB-CL815549HU2	BC037567	85007	pENTR223.1 or pUC	1353
AHCY	CSB-CL001474HU1	BC010018	191	pENTR223.1 or pUC	1299
AHCY	CSB-CL001474HU2	BC114924	191	pENTR223.1 or pUC	921
AHCYL1	CSB-CL001475HU1	BC007576	10768	pENTR223.1 or pUC	1503
AHCYL1	CSB-CL001475HU2	BC065254	10768	pENTR223.1 or pUC	1593
AHNAK	CSB-CL600257HU2	BC000926	79026	pENTR223.1 or pUC	453
AHNAK2	CSB-CL812872HU	BC049216	113146	pENTR223.1 or pUC	1452
AHSA2	CSB-CL741128HU	BC113671	130872	pENTR223.1 or pUC	414
AHSG	CSB-CL001485HU	BC052590	197	pENTR223.1	1104
AICDA	CSB-CL001487HU	BC006296	57379	pENTR223.1 or pUC	597
AIDA	CSB-CL839294HU	BC015535	64853	pENTR223.1 or pUC	921
AIF1	CSB-CL001490HU	BC009474	199	pENTR223.1	444
AIFM1	CSB-CL001492HU	BC139738	9131	pENTR223.1 or pUC	1842
AIFM3	CSB-CL853472HU	BC032485	150209	pENTR223.1 or pUC	1797
AIG1	CSB-CL889124HU	BC025278	51390	pENTR223.1	717
AIM2	CSB-CL001499HU	BC010940	9447	pENTR223.1	1071
AIPL1	CSB-CL882159HU	BC012055	23746	pENTR223.1 or pUC	1155
AK1	CSB-CL001508HU	BC001116	203	pENTR223.1 or pUC	585
AK2	CSB-CL001509HU	BC009405	204	pENTR223.1 or pUC	720
AK3	CSB-CL883438HU	BC013771	50808	pENTR223.1 or pUC	684
AKAP10	CSB-CL001519HU	BC017055	11216	pENTR223.1 or pUC	1989
AKAP5	CSB-CL001527HU	BC131516	9495	pENTR223.1 or pUC	1284
AKAP7	CSB-CL001529HU	BC016927	9465	pENTR223.1 or pUC	246
AKAP9	CSB-CL857882HU	BC015533	10142	pENTR223.1	945
AKR1A1	CSB-CL001538HU1	BC005394	10327	pENTR223.1	978



Name	Code	Accession No.	Gene ID	Vector	Length
AKR1A1	CSB-CL001538HU2	BC000670	10327	pENTR223.1 or pUC	978
AKR1B1	CSB-CL001539HU1	BC000260	231	pENTR223.1 or pUC	951
AKR1B1	CSB-CL001539HU2	BC005387	231	pENTR223.1 or pUC	951
AKR1B10	CSB-CL001540HU	BC008837	57016	pENTR223.1	951
AKR1C2	CSB-CL001543HU1	BC007024	1646	pENTR223.1 or pUC	972
AKR1C2	CSB-CL001543HU2	BC063574	1646	pENTR223.1 or pUC	972
AKR1C3	CSB-CL001544HU1	BC001479	8644	pENTR223.1 or pUC	972
AKR1C3	CSB-CL001544HU2	BC019230	8644	pENTR223.1 or pUC	972
AKR1C4	CSB-CL001545HU	BC020744	1109	pENTR223.1 or pUC	972
AKR1CL1	CSB-CL722564HU	BC101204	340811	pENTR223.1 or pUC	390
AKR1D1	CSB-CL001548HU	BC130625	6718	pENTR223.1 or pUC	981
AKR7A2	CSB-CL001550HU	BC004111	8574	pENTR223.1	993
AKR7A3	CSB-CL001551HU2	BC031562	22977	pENTR223.1 or pUC	996
AKT1	CSB-CL001553HU	BC000479	207	pENTR223.1	1443
AKT1S1	CSB-CL836185HU	BC015562	84335	pENTR223.1 or pUC	381
AKT2	CSB-CL001555HU1	BC063421	208	pENTR223.1 or pUC	444
AKT2	CSB-CL001555HU2	BC120994	208	pENTR223.1 or pUC	1446
AKTIP	CSB-CL862043HU	BC001134	64400	pENTR223.1 or pUC	879
ALAS2	CSB-CL001560HU	BC030230	212	pENTR223.1 or pUC	1653
ALB	CSB-CL001561HU2	BC035969	213	pENTR223.1	1191
ALB	CSB-CL001561HU1	BC039235	213	pENTR223.1 or pUC	1884
ALDH1A1	CSB-CL001565HU	BC001505	216	pENTR223.1 or pUC	1506
ALDH1A2	CSB-CL001566HU	BC030589	8854	pENTR223.1 or pUC	1443
ALDH1B1	CSB-CL001568HU	BC001619	219	pENTR223.1 or pUC	1554
ALDH1L1	CSB-CL001569HU	BC027241	10840	pENTR223.1 or pUC	1518
ALDH1L2	CSB-CL659640HU	BC103935	160428	pENTR223.1 or pUC	1467
ALDH3A1	CSB-CL001572HU	BC004370	218	pENTR223.1 or pUC	1362



Name	Code	Accession No.	Gene ID	Vector	Length
ALDH3A2	CSB-CL001573HU	BC002430	224	pENTR223.1	1527
ALDH3B1	CSB-CL001574HU1	BC013584	221	pUC	1407
ALDH3B1	CSB-CL001574HU2	BC002553	221	pENTR223.1 or pUC	693
ALDH3B1	CSB-CL001574HU3	BC033099	221	pENTR223.1 or pUC	1296
ALDH3B2	CSB-CL001575HU	BC007685	222	pENTR223.1 or pUC	1158
ALDOA	CSB-CL001583HU	BC004333	226	pENTR223.1 or pUC	1095
ALDOC	CSB-CL001587HU	BC065565	230	pENTR223.1 or pUC	1095
ALG1	CSB-CL887118HU	BC004402	56052	pENTR223.1	1395
ALG12	CSB-CL887130HU	BC001729	79087	pENTR223.1 or pUC	1467
ALG13	CSB-CL885677HU1	BC005336	79868	pENTR223.1	498
ALG13	CSB-CL885677HU2	BC117377	79868	pENTR223.1	1380
ALG14	CSB-CL850291HU	BC011706	199857	pENTR223.1 or pUC	651
ALG2	CSB-CL863983HU1	BC015126	85365	pENTR223.1	747
ALG2	CSB-CL863983HU2	BC017876	85365	pENTR223.1	1251
ALG3	CSB-CL846090HU	BC002839	10195	pENTR223.1 or pUC	1317
ALG5	CSB-CL896924HU	BC012531	29880	pENTR223.1 or pUC	975
ALG8	CSB-CL874818HU	BC001133	79053	pENTR223.1 or pUC	1581
ALG9	CSB-CL867161HU	BC009255	79796	pENTR223.1 or pUC	1857
ALKBH1	CSB-CL614439HU	BC025787	8846	pENTR223.1 or pUC	1170
ALKBH2	CSB-CL761219HU	BC070489	121642	pENTR223.1 or pUC	786
ALKBH3	CSB-CL847209HU1	BC015155	221120	pENTR223.1 or pUC	420
ALKBH3	CSB-CL847209HU2	BC067257	221120	pENTR223.1 or pUC	513
ALKBH3	CSB-CL847209HU3	BC103812	221120	pENTR223.1	861
ALKBH8	CSB-CL842644HU	BC015183	91801	pENTR223.1 or pUC	717
ALMS1P	CSB-CL853452HU	BC014492	200420	pENTR223.1 or pUC	633
ALOX15B	CSB-CL001622HU1	BC035217	247	pENTR223.1	2031
ALOX5	CSB-CL001624HU2	BC132677	240	pENTR223.1 or pUC	2025



Name	Code	Accession No.	Gene ID	Vector	Length
ALOX5AP	CSB-CL001625HU	BC018538	241	pENTR223.1 or pUC	486
ALOXE3	CSB-CL863156HU	BC104724	59344	pENTR223.1 or pUC	2136
ALS2	CSB-CL857009HU	BC029174	57679	pENTR223.1 or pUC	2439
ALS2CR11	CSB-CL681515HU	BC030659	151254	pENTR223.1 or pUC	1872
ALS2CR12	CSB-CL853485HU	BC031603	130540	pENTR223.1 or pUC	1269
ALS2CR8	CSB-CL850778HU	BC033777	79800	pENTR223.1 or pUC	2178
ALX1	CSB-CL624031HU	BC010923	8092	pENTR223.1 or pUC	981
AMACR	CSB-CL001652HU	BC009471	23600	pENTR223.1	597
AMBN	CSB-CL882061HU	BC106931	258	pENTR223.1 or pUC	1344
AMBRA1	CSB-CL883655HU	BC045609	55626	pUC	3627
AMDHD1	CSB-CL850402HU	BC029146	144193	pENTR223.1 or pUC	1281
AMHR2	CSB-CL614985HU	BC126316	269	pENTR223.1 or pUC	1722
AMICA1	CSB-CL774838HU	BC100797	120425	pENTR223.1 or pUC	1068
AMIGO1	CSB-CL773048HU	BC040879	57463	pENTR223.1 or pUC	1482
AMIGO2	CSB-CL769765HU	BC047595	347902	pENTR223.1 or pUC	1569
AMMECR1L	CSB-CL721846HU	BC078174	83607	pENTR223.1 or pUC	933
AMOT	CSB-CL001677HU	BC130294	154796	pENTR223.1 or pUC	2031
AMPD2	CSB-CL001681HU	BC007711	271	pENTR223.1 or pUC	2397
AMPH	CSB-CL001683HU	BC034376	273	pUC	2088
AMT	CSB-CL001684HU	BC007546	275	pENTR223.1	870
AMTN	CSB-CL001685HU	BC121817	401138	pENTR223.1 or pUC	630
AMY1A	CSB-CL356351HU	BC063129	276	pENTR223.1	1536
AMY2A	CSB-CL001689HU	BC007060	279	pENTR223.1	1536
AMY2B	CSB-CL001690HU1	BC011179	280	pENTR223.1 or pUC	1536
AMZ2	CSB-CL803133HU	BC050709	51321	pENTR223.1 or pUC	1083
ANAPC10	CSB-CL892350HU	BC005217	10393	pENTR223.1 or pUC	558
ANAPC13	CSB-CL866270HU	BC005398	25847	pENTR223.1 or pUC	225



Name	Code	Accession No.	Gene ID	Vector	Length
ANAPC2	CSB-CL892446HU	BC032503	29882	pENTR223.1 or pUC	2469
ANAPC5	CSB-CL892130HU1	BC006301	51433	pENTR223.1 or pUC	2268
ANAPC5	CSB-CL892130HU2	BC001081	51433	pENTR223.1	2268
ANG	CSB-CL001703HU1	BC054880	283	pENTR223.1 or pUC	444
ANG	CSB-CL001703HU2	BC062698	283	pENTR223.1 or pUC	444
ANGEL2	CSB-CL713347HU1	BC016966	90806	pENTR223.1 or pUC	789
ANGEL2	CSB-CL713347HU2	BC047469	90806	pENTR223.1 or pUC	861
ANGPT1	CSB-CL622996HU	BC029406	284	pENTR223.1 or pUC	444
ANGPT2	CSB-CL001707HU	BC126200	285	pENTR223.1 or pUC	1491
ANGPTL1	CSB-CL001709HU	BC050640	9068	pENTR223.1 or pUC	1476
ANGPTL3	CSB-CL896903HU	BC058287	27329	pENTR223.1	1383
ANGPTL7	CSB-CL001715HU	BC001881	10218	pENTR223.1 or pUC	1041
ANK1	CSB-CL001720HU1	BC030957	286	pENTR223.1 or pUC	468
ANK1	CSB-CL001720HU2	BC007930	286	pENTR223.1 or pUC	396
ANKDD1A	CSB-CL669849HU	BC101273	348094	pENTR223.1 or pUC	1200
ANKHD1	CSB-CL815569HU1	BC004457	54882	pENTR223.1 or pUC	1308
ANKHD1	CSB-CL815569HU2	BC040231	54882	pENTR223.1 or pUC	2601
ANKMY1	CSB-CL885806HU	BC033495	51281	pENTR223.1 or pUC	1320
ANKMY2	CSB-CL815551HU	BC035353	57037	pENTR223.1 or pUC	1326
ANKRA2	CSB-CL872524HU	BC012917	57763	pENTR223.1 or pUC	942
ANKRD1	CSB-CL618002HU	BC018667	27063	pENTR223.1 or pUC	960
ANKRD10	CSB-CL878915HU1	BC001727	55608	pENTR223.1 or pUC	663
ANKRD12	CSB-CL764913HU	BC057225	23253	pENTR223.1 or pUC	993
ANKRD13A	CSB-CL815586HU	BC057817	88455	pENTR223.1 or pUC	786
ANKRD13D	CSB-CL751183HU1	BC044239	338692	pENTR223.1 or pUC	768
ANKRD13D	CSB-CL751183HU2	BC121024	338692	pENTR223.1 or pUC	1557
ANKRD22	CSB-CL719631HU	BC021671	118932	pENTR223.1 or pUC	576



Name	Code	Accession No.	Gene ID	Vector	Length
ANKRD23	CSB-CL803108HU	BC107056	200539	pENTR223.1 or pUC	918
ANKRD29	CSB-CL818714HU	BC030622	147463	pENTR223.1 or pUC	906
ANKRD33	CSB-CL768761HU	BC121153	341405	pENTR223.1 or pUC	819
ANKRD36	CSB-CL001778HU2	BC128517	375248	pENTR223.1 or pUC	930
ANKRD36B	CSB-CL818689HU	BC071771	57730	pENTR223.1 or pUC	720
ANKRD39	CSB-CL706642HU	BC031303	51239	pENTR223.1 or pUC	552
ANKRD44	CSB-CL839825HU2	BC063622	91526	pENTR223.1 or pUC	1104
ANKRD44	CSB-CL839825HU1	BC016985	91526	pENTR223.1 or pUC	1740
ANKRD45	CSB-CL732953HU	BC126353	339416	pENTR223.1 or pUC	801
ANKRD49	CSB-CL837858HU	BC017798	54851	pENTR223.1 or pUC	720
ANKRD5	CSB-CL868319HU	BC022878	63926	pENTR223.1 or pUC	2331
ANKRD50	CSB-CL892468HU	BC024725	57182	pENTR223.1 or pUC	2232
ANKRD55	CSB-CL660753HU	BC106914	79722	pENTR223.1 or pUC	981
ANKRD7	CSB-CL842127HU	BC032799	56311	pENTR223.1 or pUC	606
ANKS1B	CSB-CL767207HU1	BC068451	56899	pENTR223.1 or pUC	1074
ANKS1B	CSB-CL767207HU2	BC026313	56899	pENTR223.1 or pUC	1317
ANKS3	CSB-CL744430HU	BC050387	124401	pENTR223.1 or pUC	1584
ANKS6	CSB-CL718074HU1	BC012981	203286	pENTR223.1	726
ANLN	CSB-CL865109HU	BC034692	54443	pENTR223.1 or pUC	1218
ANO4	CSB-CL653477HU	BC109308	121601	pENTR223.1	2868
ANP32A	CSB-CL001822HU	BC125143	8125	pENTR223.1 or pUC	717
ANP32B	CSB-CL842144HU	BC013003	10541	pUC	756
ANTXR1	CSB-CL001832HU	BC012074	84168	pENTR223.1 or pUC	1002
ANTXR2	CSB-CL001833HU	BC034001	118429	pENTR223.1 or pUC	459
ANXA1	CSB-CL001836HU1	BC001275	301	pENTR223.1 or pUC	1041
ANXA1	CSB-CL001836HU2	BC035993	301	pENTR223.1 or pUC	1041
ANXA11	CSB-CL001838HU	BC007564	311	pENTR223.1 or pUC	1518



Name	Code	Accession No.	Gene ID	Vector	Length
ANXA13	CSB-CL001839HU	BC125158	312	pENTR223.1 or pUC	951
ANXA2	CSB-CL001840HU1	BC009564	302	pENTR223.1	1020
ANXA2	CSB-CL001840HU2	BC023990	302	pENTR223.1 or pUC	1020
ANXA4	CSB-CL001845HU1	BC000182	307	pENTR223.1 or pUC	966
ANXA4	CSB-CL001845HU2	BC063672	307	pENTR223.1 or pUC	900
ANXA5	CSB-CL001846HU1	BC001429	308	pENTR223.1 or pUC	963
ANXA5	CSB-CL001846HU2	BC018671	308	pENTR223.1 or pUC	963
ANXA6	CSB-CL001847HU	BC017046	309	pENTR223.1 or pUC	2022
ANXA7	CSB-CL001848HU	BC002632	310	pENTR223.1 or pUC	1401
ANXA8	CSB-CL001849HU1	BC073755	653145	pENTR223.1 or pUC	984
ANXA8	CSB-CL001849HU2	BC004376	653145	pENTR223.1 or pUC	984
ANXA8L2	CSB-CL726113HU	BC008813	244	pENTR223.1 or pUC	831
ANXA9	CSB-CL001852HU	BC005830	8416	pENTR223.1 or pUC	1017
AOAH	CSB-CL001853HU	BC025698	313	pENTR223.1	1728
AP1G1	CSB-CL001861HU	BC036283	164	pENTR223.1 or pUC	2478
AP1S1	CSB-CL001866HU	BC003561	1174	pENTR223.1 or pUC	402
AP1S2	CSB-CL001867HU	BC001117	8905	pENTR223.1 or pUC	474
AP1S3	CSB-CL839389HU1	BC021898	130340	pENTR223.1 or pUC	315
AP1S3	CSB-CL839389HU2	BC009606	130340	pENTR223.1 or pUC	495
AP2B1	CSB-CL001871HU	BC006201	163	pENTR223.1 or pUC	2856
AP2M1	CSB-CL850274HU1	BC004996	1173	pENTR223.1 or pUC	1308
AP2M1	CSB-CL850274HU2	BC013796	1173	pENTR223.1	1302
AP2S1	CSB-CL001873HU	BC006337	1175	pENTR223.1 or pUC	429
AP3B1	CSB-CL001874HU	BC038444	8546	pUC	3285
AP3D1	CSB-CL001876HU	BC010065	8943	pENTR223.1 or pUC	2229
AP3M2	CSB-CL001878HU	BC056257	10947	pENTR223.1 or pUC	822
AP3S1	CSB-CL838783HU	BC000804	1176	pENTR223.1 or pUC	582



Name	Code	Accession No.	Gene ID	Vector	Length
AP3S2	CSB-CL001880HU	BC002785	10239	pENTR223.1 or pUC	582
AP4B1	CSB-CL897585HU	BC014146	10717	pENTR223.1 or pUC	2220
AP4E1	CSB-CL890772HU	BC130466	23431	pUC	3414
APBA3	CSB-CL001889HU2	BC086306	9546	pENTR223.1 or pUC	1728
APBB1	CSB-CL001890HU	BC010854	322	pENTR223.1 or pUC	2127
APBB1IP	CSB-CL773797HU	BC035636	54518	pENTR223.1 or pUC	519
APBB2	CSB-CL821708HU	BC027946	323	pENTR223.1 or pUC	990
APBB3	CSB-CL001893HU2	BC125187	10307	pENTR223.1 or pUC	1461
APCS	CSB-CL001898HU	BC007039	325	pENTR223.1	672
APEH	CSB-CL001899HU	BC000362	327	pENTR223.1 or pUC	2199
APEX1	CSB-CL001900HU1	BC004979	328	pENTR223.1 or pUC	957
APEX1	CSB-CL001900HU2	BC002338	328	pENTR223.1 or pUC	957
APEX2	CSB-CL871392HU	BC002959	27301	pENTR223.1	1557
APH1A	CSB-CL853390HU1	BC008732	51107	pENTR223.1	744
APH1A	CSB-CL853390HU2	BC001230	51107	pENTR223.1 or pUC	798
APH1A	CSB-CL853390HU3	BC015568	51107	pENTR223.1 or pUC	798
APH1B	CSB-CL819900HU	BC020905	83464	pENTR223.1 or pUC	774
APIP	CSB-CL839332HU1	BC009077	51074	pENTR223.1 or pUC	729
APIP	CSB-CL839332HU2	BC008440	51074	pENTR223.1 or pUC	729
APIP	CSB-CL839332HU3	BC017594	51074	pENTR223.1 or pUC	729
APITD1	CSB-CL839787HU	BC029430	378708	pENTR223.1 or pUC	417
APLN	CSB-CL001909HU	BC021104	8862	pENTR223.1 or pUC	369
APLNR	CSB-CL001910HU	BC032688	1143	pENTR223.1	1143
APOA1	CSB-CL001913HU	BC005380	335	pENTR223.1 or pUC	804
APOA2	CSB-CL001915HU	BC005282	336	pENTR223.1 or pUC	303
APOBEC3A	CSB-CL001921HU	BC126416	200315	pENTR223.1 or pUC	600
APOBEC3B	CSB-CL887025HU	BC053859	9582	pENTR223.1	756



Name	Code	Accession No.	Gene ID	Vector	Length
APOBEC3C	CSB-CL889097HU	BC011739	27350	pENTR223.1 or pUC	573
APOBEC3D	CSB-CL846585HU	BC017022	140564	pENTR223.1 or pUC	1161
APOBEC3F	CSB-CL816878HU	BC038808	200316	pENTR223.1 or pUC	1122
APOBEC3G	CSB-CL888025HU1	BC061914	60489	pENTR223.1	240
APOBEC3H	CSB-CL750736HU	BC069023	164668	pENTR223.1 or pUC	549
APOBEC4	CSB-CL823894HU	BC021711	403314	pENTR223.1 or pUC	1104
APOC2	CSB-CL001932HU1	BC005348	344	pENTR223.1	306
APOC2	CSB-CL001932HU2	BC065270	344	pENTR223.1 or pUC	219
APOC3	CSB-CL001933HU1	BC027977	345	pENTR223.1 or pUC	300
APOC3	CSB-CL001933HU2	BC121081	345	pENTR223.1 or pUC	300
APOD	CSB-CL001935HU	BC007402	347	pENTR223.1 or pUC	570
APOF	CSB-CL001938HU	BC026257	319	pENTR223.1 or pUC	981
APOH	CSB-CL001939HU	BC020703	350	pENTR223.1	1038
APOL1	CSB-CL001940HU1	BC017331	8542	pENTR223.1 or pUC	717
APOL1	CSB-CL001940HU2	BC112943	8542	pENTR223.1	1197
APOL4	CSB-CL860240HU	BC006276	80832	pENTR223.1 or pUC	324
APOM	CSB-CL001947HU	BC020683	55937	pENTR223.1	567
APOOL	CSB-CL001949HU	BC107096	139322	pENTR223.1 or pUC	807
APP	CSB-CL001950HU	BC004369	351	pENTR223.1 or pUC	918
APPL1	CSB-CL890917HU	BC028599	26060	pENTR223.1 or pUC	2130
APPL2	CSB-CL818777HU	BC033731	55198	pENTR223.1 or pUC	1995
APTIX	CSB-CL001955HU1	BC001628	54840	pENTR223.1	507
APTIX	CSB-CL001955HU2	BC032650	54840	pENTR223.1 or pUC	765
AQP1	CSB-CL001957HU	BC022486	358	pENTR223.1 or pUC	810
AQP10	CSB-CL853482HU	BC069607	89872	pENTR223.1 or pUC	906
AQP11	CSB-CL847678HU	BC040443	282679	pENTR223.1	816
AQP3	CSB-CL849752HU	BC013566	360	pENTR223.1	879



Name	Code	Accession No.	Gene ID	Vector	Length
AQP4	CSB-CL001964HU	BC022286	361	pUC	972
AQP7	CSB-CL001967HU	BC062701	364	pENTR223.1	651
AQP8	CSB-CL001972HU	BC040630	343	pENTR223.1	768
AQP9	CSB-CL001973HU	BC026258	366	pENTR223.1	888
ARAF	CSB-CL001976HU1	BC002466	369	pENTR223.1	1821
ARAP3	CSB-CL819904HU	BC009968	64411	pENTR223.1 or pUC	225
AREG	CSB-CL001986HU	BC009799	374	pENTR223.1	759
ARF1	CSB-CL001988HU	BC009247	375	pENTR223.1 or pUC	546
ARF3	CSB-CL001990HU	BC007647	377	pENTR223.1 or pUC	546
ARF4	CSB-CL001991HU	BC003364	378	pENTR223.1 or pUC	543
ARF5	CSB-CL001995HU	BC003043	381	pENTR223.1 or pUC	543
ARF6	CSB-CL001996HU	BC008918	382	pENTR223.1 or pUC	528
ARFGAP1	CSB-CL843284HU1	BC028233	55738	pENTR223.1 or pUC	1245
ARFGAP1	CSB-CL843284HU2	BC000786	55738	pENTR223.1 or pUC	1212
ARFGAP3	CSB-CL885676HU	BC005122	26286	pENTR223.1 or pUC	1551
ARFIP2	CSB-CL002003HU	BC000392	23647	pENTR223.1 or pUC	1026
ARG1	CSB-CL002005HU	BC020653	383	pENTR223.1 or pUC	969
ARG2	CSB-CL002006HU	BC001350	384	pENTR223.1 or pUC	1065
ARHGAP11A	CSB-CL750800HU	BC063444	9824	pENTR223.1 or pUC	1506
ARHGAP12	CSB-CL816896HU	BC115362	94134	pENTR223.1 or pUC	2400
ARHGAP15	CSB-CL681513HU	BC016701	55843	pENTR223.1 or pUC	1428
ARHGAP17	CSB-CL737877HU1	BC001241	55114	pENTR223.1 or pUC	348
ARHGAP17	CSB-CL737877HU2	BC080195	55114	pENTR223.1 or pUC	2646
ARHGAP19	CSB-CL623954HU1	BC007848	84986	pENTR223.1 or pUC	114
ARHGAP19	CSB-CL623954HU2	BC114490	84986	pENTR223.1 or pUC	1485
ARHGAP20	CSB-CL885801HU	BC039340	57569	pENTR223.1 or pUC	2196
ARHGAP25	CSB-CL002026HU	BC039591	9938	pENTR223.1 or pUC	1377



Name	Code	Accession No.	Gene ID	Vector	Length
ARHGAP26	CSB-CL892479HU	BC068555	23092	pENTR223.1 or pUC	2280
ARHGAP27	CSB-CL741070HU	BC101388	201176	pENTR223.1 or pUC	1647
ARHGAP29	CSB-CL681475HU	BC022483	9411	pENTR223.1	1182
ARHGAP5	CSB-CL622633HU	BC075799	394	pENTR223.1 or pUC	714
ARHGDIA	CSB-CL002037HU	BC005851	396	pENTR223.1 or pUC	615
ARHGEF10	CSB-CL002041HU2	BC040474	9639	pENTR223.1	1143
ARHGEF10	CSB-CL002041HU1	BC036809	9639	pENTR223.1 or pUC	1983
ARHGEF16	CSB-CL730133HU1	BC002681	27237	pENTR223.1 or pUC	1266
ARHGEF18	CSB-CL744417HU	BC008016	23370	pENTR223.1	270
ARHGEF2	CSB-CL838822HU	BC020567	9181	pENTR223.1	2880
ARHGEF3	CSB-CL878863HU1	BC099715	50650	pENTR223.1 or pUC	975
ARHGEF5	CSB-CL618628HU	BC010046	7984	pENTR223.1	1560
ARHGEF9	CSB-CL002057HU	BC117406	23229	pENTR223.1 or pUC	1551
ARID3B	CSB-CL816888HU	BC060824	10620	pENTR223.1 or pUC	762
ARIH2	CSB-CL002069HU	BC000422	10425	pENTR223.1 or pUC	1482
ARL1	CSB-CL002070HU	BC007000	400	pENTR223.1 or pUC	546
ARL11	CSB-CL850249HU	BC013150	115761	pENTR223.1 or pUC	591
ARL13B	CSB-CL659639HU	BC104035	200894	pENTR223.1	1287
ARL14	CSB-CL836664HU	BC034354	80117	pENTR223.1 or pUC	579
ARL15	CSB-CL882136HU	BC026093	54622	pENTR223.1 or pUC	615
ARL16	CSB-CL612678HU	BC105076	339231	pENTR223.1 or pUC	594
ARL2	CSB-CL002080HU	BC002530	402	pENTR223.1 or pUC	555
ARL2BP	CSB-CL897097HU	BC003087	23568	pENTR223.1	492
ARL4A	CSB-CL002085HU	BC001111	10124	pENTR223.1 or pUC	603
ARL4C	CSB-CL002086HU	BC089043	10123	pENTR223.1 or pUC	579
ARL4D	CSB-CL002087HU	BC000043	379	pENTR223.1 or pUC	606
ARL6	CSB-CL887945HU	BC024239	84100	pENTR223.1 or pUC	561



Name	Code	Accession No.	Gene ID	Vector	Length
ARL6IP1	CSB-CL614878HU	BC010281	23204	pENTR223.1 or pUC	612
ARL6IP4	CSB-CL737773HU1	BC015569	51329	pENTR223.1 or pUC	648
ARL6IP4	CSB-CL737773HU2	BC001958	51329	pENTR223.1 or pUC	657
ARL6IP5	CSB-CL002096HU	BC005143	10550	pENTR223.1 or pUC	567
ARL8A	CSB-CL842642HU	BC015408	127829	pENTR223.1 or pUC	561
ARL8B	CSB-CL868330HU	BC013131	55207	pENTR223.1 or pUC	561
ARMC1	CSB-CL889123HU	BC011607	55156	pENTR223.1 or pUC	849
ARMC10	CSB-CL854026HU	BC003586	83787	pENTR223.1 or pUC	927
ARMC3	CSB-CL719634HU	BC039312	219681	pENTR223.1 or pUC	2619
ARMC7	CSB-CL872505HU	BC011728	79637	pENTR223.1 or pUC	597
ARMC8	CSB-CL816877HU	BC013424	25852	pENTR223.1 or pUC	1158
ARMC9	CSB-CL773583HU	BC004514	80210	pENTR223.1 or pUC	1527
ARMCX1	CSB-CL878960HU	BC002691	51309	pENTR223.1 or pUC	1362
ARMCX2	CSB-CL755485HU	BC012541	9823	pENTR223.1 or pUC	1899
ARMCX4	CSB-CL711094HU	BC032236	158947	pENTR223.1 or pUC	1047
ARMCX5	CSB-CL747392HU1	BC058904	64860	pENTR223.1 or pUC	1677
ARMCX5	CSB-CL747392HU2	BC064983	64860	pENTR223.1 or pUC	1677
ARMCX6	CSB-CL765977HU	BC007677	54470	pENTR223.1 or pUC	903
ARNT	CSB-CL002121HU	BC060838	405	pENTR223.1 or pUC	1251
ARNT2	CSB-CL864024HU	BC036099	9915	pENTR223.1	2151
ARNTL	CSB-CL002123HU1	BC041129	406	pENTR223.1	1878
ARNTL	CSB-CL002123HU2	BC016674	406	pENTR223.1 or pUC	1752
ARNTL2	CSB-CL845173HU	BC125062	56938	pENTR223.1 or pUC	1800
ARPC1A	CSB-CL856421HU	BC039594	10552	pENTR223.1	1113
ARPC1B	CSB-CL002126HU	BC002562	10095	pENTR223.1	1119
ARPC5	CSB-CL002131HU	BC057237	10092	pENTR223.1	465
ARPM1	CSB-CL880135HU	BC007289	84517	pENTR223.1 or pUC	1119



Name	Code	Accession No.	Gene ID	Vector	Length
ARR3	CSB-CL002133HU	BC012096	407	pENTR223.1 or pUC	1080
ARRB1	CSB-CL002134HU	BC003636	408	pENTR223.1 or pUC	1257
ARRDC1	CSB-CL850807HU	BC032346	92714	pENTR223.1 or pUC	1302
ARRDC3	CSB-CL839293HU	BC015928	57561	pENTR223.1 or pUC	1245
ARSE	CSB-CL002146HU	BC130438	415	pENTR223.1 or pUC	1770
ARSF	CSB-CL002148HU	BC022389	416	pENTR223.1 or pUC	1773
ARSG	CSB-CL002150HU	BC012375	22901	pENTR223.1 or pUC	1578
ARSI	CSB-CL685925HU	BC129995	340075	pENTR223.1 or pUC	1710
ARSJ	CSB-CL682915HU1	BC032010	79642	pENTR223.1 or pUC	258
ART3	CSB-CL622665HU2	BC017913	419	pENTR223.1 or pUC	1137
ART5	CSB-CL836246HU	BC014577	116969	pENTR223.1 or pUC	879
ARV1	CSB-CL867134HU	BC016309	64801	pENTR223.1 or pUC	816
ASAH1	CSB-CL619774HU1	BC016828	427	pENTR223.1 or pUC	1170
ASAH1	CSB-CL619774HU2	BC016481	427	pENTR223.1 or pUC	1188
ASAH2	CSB-CL865115HU	BC107105	56624	pENTR223.1 or pUC	2181
ASAP1	CSB-CL891546HU	BC020631	50807	pENTR223.1 or pUC	111
ASAP3	CSB-CL837444HU	BC060786	55616	pENTR223.1 or pUC	2712
ASB1	CSB-CL896900HU	BC014528	51665	pENTR223.1 or pUC	1008
ASB10	CSB-CL845168HU	BC126351	136371	pENTR223.1 or pUC	1404
ASB11	CSB-CL855501HU	BC103874	140456	pENTR223.1 or pUC	972
ASB13	CSB-CL837876HU	BC012056	79754	pENTR223.1 or pUC	522
ASB14	CSB-CL002183HU	BC114953	142686	pENTR223.1 or pUC	690
ASB17	CSB-CL848840HU	BC036573	127247	pENTR223.1 or pUC	888
ASB4	CSB-CL897287HU	BC113479	51666	pENTR223.1 or pUC	1050
ASB5	CSB-CL845161HU	BC065710	140458	pENTR223.1 or pUC	990
ASB6	CSB-CL868341HU1	BC001719	140459	pENTR223.1 or pUC	594
ASB7	CSB-CL863988HU	BC063581	140460	pENTR223.1 or pUC	825



Name	Code	Accession No.	Gene ID	Vector	Length
ASB8	CSB-CL863994HU	BC001321	140461	pENTR223.1 or pUC	867
ASB9	CSB-CL853405HU1	BC001244	140462	pENTR223.1 or pUC	759
ASB9	CSB-CL853405HU2	BC013172	140462	pENTR223.1	885
ASCC1	CSB-CL002196HU	BC012291	51008	pENTR223.1 or pUC	1074
ASCC3	CSB-CL002198HU	BC050681	10973	pENTR223.1 or pUC	336
ASF1A	CSB-CL896689HU	BC010878	25842	pENTR223.1 or pUC	615
ASF1B	CSB-CL878898HU	BC007726	55723	pENTR223.1 or pUC	609
ASGR1	CSB-CL002207HU	BC032130	432	pENTR223.1 or pUC	876
ASGR2	CSB-CL002208HU	BC017251	433	pENTR223.1	864
ASH2L	CSB-CL883363HU	BC015936	9070	pENTR223.1 or pUC	1605
ASIP	CSB-CL002212HU	BC104238	434	pENTR223.1 or pUC	399
ASL	CSB-CL002213HU	BC008195	435	pUC	1395
ASMTL	CSB-CL002217HU2	BC010089	8623	pENTR223.1 or pUC	1866
ASNA1	CSB-CL002218HU	BC002651	439	pENTR223.1 or pUC	1047
ASNS	CSB-CL002219HU1	BC014621	440	pENTR223.1 or pUC	1686
ASNS	CSB-CL002219HU2	BC008723	440	pENTR223.1 or pUC	1686
ASNSD1	CSB-CL885745HU	BC001243	54529	pENTR223.1 or pUC	1932
ASPA	CSB-CL002223HU	BC029128	443	pENTR223.1	942
ASPH	CSB-CL622512HU1	BC066929	444	pENTR223.1 or pUC	612
ASPH	CSB-CL622512HU2	BC025236	444	pENTR223.1 or pUC	813
ASPHD1	CSB-CL716402HU	BC126319	253982	pENTR223.1 or pUC	1173
ASPHD2	CSB-CL760787HU	BC036753	57168	pENTR223.1 or pUC	1032
ASPRV1	CSB-CL684475HU	BC031997	151516	pENTR223.1	459
ASPSCR1	CSB-CL866328HU2	BC006152	79058	pENTR223.1 or pUC	1047
ASRGL1	CSB-CL755484HU	BC064963	80150	pENTR223.1 or pUC	543
ASS1	CSB-CL002234HU1	BC021676	445	pENTR223.1	1239
ASS1	CSB-CL002234HU2	BC009243	445	pENTR223.1 or pUC	1239



Name	Code	Accession No.	Gene ID	Vector	Length
ASTE1	CSB-CL651122HU1	BC030274	28990	pENTR223.1 or pUC	963
ASTL	CSB-CL760708HU	BC107127	431705	pENTR223.1 or pUC	1296
ASTN2	CSB-CL002252HU2	BC010680	23245	pENTR223.1 or pUC	585
ASTN2	CSB-CL002252HU3	BC093835	23245	pENTR223.1 or pUC	1188
ASZ1	CSB-CL845159HU	BC126186	136991	pENTR223.1 or pUC	1428
ATAD1	CSB-CL850855HU	BC010868	84896	pENTR223.1	456
ATAD2	CSB-CL747500HU1	BC019909	29028	pENTR223.1	1089
ATAD3C	CSB-CL716349HU	BC101211	219293	pENTR223.1 or pUC	369
ATCAY	CSB-CL771456HU	BC026217	85300	pENTR223.1 or pUC	1116
ATF1	CSB-CL002269HU	BC029619	466	pENTR223.1 or pUC	816
ATF2	CSB-CL002270HU1	BC026175	1386	pENTR223.1 or pUC	630
ATF2	CSB-CL002270HU2	BC130335	1386	pENTR223.1	1518
ATF3	CSB-CL002271HU	BC006322	467	pENTR223.1	546
ATF4	CSB-CL002272HU1	BC008090	468	pENTR223.1 or pUC	1056
ATF4	CSB-CL002272HU2	BC016855	468	pENTR223.1 or pUC	1056
ATF6	CSB-CL002277HU	BC014969	22926	pENTR223.1	609
ATF6B	CSB-CL859115HU	BC008394	1388	pENTR223.1 or pUC	957
ATG10	CSB-CL861988HU1	BC004551	83734	pENTR223.1 or pUC	651
ATG10	CSB-CL861988HU2	BC029268	83734	pENTR223.1 or pUC	663
ATG12	CSB-CL002283HU1	BC011033	9140	pENTR223.1	225
ATG12	CSB-CL002283HU2	BC012266	9140	pENTR223.1 or pUC	423
ATG16L1	CSB-CL734569HU	BC117337	55054	pENTR223.1 or pUC	1572
ATG2B	CSB-CL822186HU	BC015016	55102	pENTR223.1 or pUC	2169
ATG3	CSB-CL889107HU	BC024221	64422	pENTR223.1 or pUC	945
ATG4A	CSB-CL845174HU	BC061696	115201	pENTR223.1	1197
ATG4C	CSB-CL836199HU	BC033024	84938	pENTR223.1 or pUC	1377
ATG5	CSB-CL863954HU	BC002699	9474	pUC	828



Name	Code	Accession No.	Gene ID	Vector	Length
ATG7	CSB-CL002294HU	BC000091	10533	pENTR223.1 or pUC	2031
ATG9A	CSB-CL773782HU1	BC001206	79065	pENTR223.1 or pUC	1566
ATG9B	CSB-CL721119HU	BC128587	285973	pENTR223.1	1233
ATIC	CSB-CL002299HU	BC008879	471	pENTR223.1 or pUC	1779
ATL1	CSB-CL855500HU	BC010708	51062	pENTR223.1 or pUC	1677
ATL2	CSB-CL836776HU	BC053508	64225	pENTR223.1 or pUC	1239
ATL3	CSB-CL728503HU	BC077727	25923	pENTR223.1 or pUC	1626
ATM	CSB-CL618770HU2	BC022307	472	pENTR223.1 or pUC	396
ATMIN	CSB-CL002304HU	BC002701	23300	pENTR223.1 or pUC	2004
ATOH1	CSB-CL846107HU	BC069594	474	pENTR223.1	1065
ATOX1	CSB-CL002309HU	BC112248	475	pENTR223.1 or pUC	207
ATP10D	CSB-CL878957HU	BC057839	57205	pENTR223.1 or pUC	1608
ATP12A	CSB-CL002316HU	BC031609	479	pUC	3138
ATP13A1	CSB-CL867206HU	BC009302	57130	pENTR223.1 or pUC	1035
ATP1A3	CSB-CL002324HU	BC009282	478	pUC	3042
ATP1A4	CSB-CL619791HU	BC028297	480	pENTR223.1 or pUC	498
ATP1B1	CSB-CL002326HU	BC000006	481	pENTR223.1 or pUC	912
ATP1B2	CSB-CL002327HU	BC126175	482	pENTR223.1 or pUC	873
ATP1B3	CSB-CL002328HU	BC011835	483	pENTR223.1 or pUC	840
ATP1B4	CSB-CL891562HU	BC117227	23439	pENTR223.1 or pUC	1074
ATP2A2	CSB-CL002333HU	BC035588	488	pUC	3129
ATP2B2	CSB-CL002336HU	BC128575	491	pENTR223.1 or pUC	2169
ATP2C1	CSB-CL002339HU	BC028139	27032	pENTR223.1 or pUC	2667
ATP4B	CSB-CL002343HU	BC029059	496	pENTR223.1 or pUC	876
ATP5A1	CSB-CL002344HU1	BC016046	498	pENTR223.1	1662
ATP5A1	CSB-CL002344HU2	BC011384	498	pENTR223.1 or pUC	1662
ATP5B	CSB-CL002350HU	BC016512	506	pENTR223.1 or pUC	1590



Name	Code	Accession No.	Gene ID	Vector	Length
ATP5C1	CSB-CL002353HU1	BC000470	509	pENTR223.1 or pUC	897
ATP5C1	CSB-CL002353HU2	BC016812	509	pENTR223.1 or pUC	897
ATP5F1	CSB-CL002358HU1	BC005366	515	pENTR223.1 or pUC	771
ATP5F1	CSB-CL002358HU2	BC005960	515	pENTR223.1 or pUC	771
ATP5G1	CSB-CL002359HU	BC004963	516	pUC	411
ATP5G3	CSB-CL002361HU	BC106881	518	pUC	429
ATP5H	CSB-CL002366HU1	BC032245	10476	pENTR223.1 or pUC	414
ATP5H	CSB-CL002366HU2	BC038092	10476	pENTR223.1 or pUC	486
ATP5I	CSB-CL002368HU	BC003679	521	pENTR223.1	210
ATP5J	CSB-CL002369HU1	BC001178	522	pENTR223.1 or pUC	327
ATP5J	CSB-CL002369HU2	BC066310	522	pENTR223.1 or pUC	327
ATP5L	CSB-CL002374HU1	BC015128	10632	pENTR223.1 or pUC	312
ATP5L	CSB-CL002374HU2	BC070165	10632	pENTR223.1 or pUC	312
ATP5O	CSB-CL002379HU	BC021233	539	pENTR223.1 or pUC	642
ATP5S	CSB-CL860778HU	BC011549	27109	pENTR223.1 or pUC	384
ATP6AP2	CSB-CL002384HU1	BC010395	10159	pENTR223.1 or pUC	300
ATP6AP2	CSB-CL002384HU2	BC084541	10159	pENTR223.1 or pUC	1053
ATP6V0A1	CSB-CL846292HU	BC032398	535	pENTR223.1 or pUC	2514
ATP6V0A2	CSB-CL897489HU	BC068531	23545	pENTR223.1 or pUC	2571
ATP6V0A4	CSB-CL881016HU	BC109305	50617	pENTR223.1 or pUC	2523
ATP6V0B	CSB-CL857861HU	BC000423	533	pENTR223.1	618
ATP6V0E1	CSB-CL002393HU	BC119714	8992	pENTR223.1 or pUC	246
ATP6V0E2	CSB-CL818817HU	BC015899	155066	pENTR223.1 or pUC	279
ATP6V1B1	CSB-CL002397HU2	BC035978	525	pENTR223.1 or pUC	783
ATP6V1B2	CSB-CL002398HU1	BC030640	526	pENTR223.1 or pUC	1536
ATP6V1B2	CSB-CL002398HU2	BC003100	526	pENTR223.1 or pUC	1536
ATP6V1C1	CSB-CL002399HU	BC010960	528	pENTR223.1 or pUC	1149



Name	Code	Accession No.	Gene ID	Vector	Length
ATP6V1C2	CSB-CL822777HU	BC012142	245973	pENTR223.1 or pUC	1146
ATP6V1D	CSB-CL897507HU1	BC001411	51382	pENTR223.1 or pUC	744
ATP6V1D	CSB-CL897507HU2	BC031002	51382	pENTR223.1 or pUC	744
ATP6V1D	CSB-CL897507HU3	BC025373	51382	pENTR223.1 or pUC	744
ATP6V1E1	CSB-CL002402HU	BC004443	529	pENTR223.1 or pUC	681
ATP6V1E2	CSB-CL836175HU	BC008981	90423	pENTR223.1 or pUC	681
ATP6V1F	CSB-CL623100HU	BC104230	9296	pENTR223.1 or pUC	360
ATP6V1G1	CSB-CL002408HU1	BC008452	9550	pENTR223.1 or pUC	357
ATP6V1G1	CSB-CL002408HU2	BC003564	9550	pENTR223.1 or pUC	255
ATP6V1G2	CSB-CL002409HU	BC119726	534	pENTR223.1 or pUC	357
ATP6V1G3	CSB-CL836249HU	BC101130	127124	pENTR223.1 or pUC	357
ATP9B	CSB-CL002423HU1	BC053561	374868	pENTR223.1 or pUC	411
ATPAF2	CSB-CL002425HU1	BC032126	91647	pENTR223.1 or pUC	870
ATPAF2	CSB-CL002425HU2	BC004114	91647	pENTR223.1 or pUC	870
ATPBD4	CSB-CL752102HU	BC066652	89978	pENTR223.1 or pUC	804
ATPIF1	CSB-CL883434HU	BC009677	93974	pENTR223.1	321
ATRIP	CSB-CL848837HU1	BC030597	84126	pENTR223.1 or pUC	2097
ATXN1	CSB-CL002438HU	BC117125	6310	pENTR223.1 or pUC	2448
ATXN2	CSB-CL859520HU	BC114546	6311	pUC	3021
ATXN3	CSB-CL002443HU	BC033711	4287	pENTR223.1 or pUC	1113
ATXN7L1	CSB-CL892147HU1	BC030616	222255	pENTR223.1 or pUC	441
ATXN7L3	CSB-CL613538HU	BC113595	56970	pENTR223.1	1044
AUP1	CSB-CL002453HU1	BC001658	550	pENTR223.1 or pUC	1122
AUP1	CSB-CL002453HU2	BC033646	550	pENTR223.1 or pUC	1233
AURKB	CSB-CL002458HU	BC009751	9212	pENTR223.1	1035
AVL9	CSB-CL843316HU	BC027724	23080	pENTR223.1 or pUC	1392
AVPI1	CSB-CL732925HU	BC000877	60370	pENTR223.1 or pUC	444



Name	Code	Accession No.	Gene ID	Vector	Length
AXIN2	CSB-CL897472HU	BC006295	8313	pENTR223.1	483
AZGP1	CSB-CL002479HU	BC033830	563	pENTR223.1 or pUC	897
AZIN1	CSB-CL002484HU	BC013420	51582	pENTR223.1	1347
B2M	CSB-CL002486HU	BC032589	567	pENTR223.1	360
B3GALNT1	CSB-CL002488HU	BC047618	8706	pENTR223.1 or pUC	996
B3GALT2	CSB-CL002491HU	BC022507	8707	pENTR223.1 or pUC	1269
B3GALT4	CSB-CL002492HU	BC032574	8705	pENTR223.1 or pUC	1137
B3GAT3	CSB-CL002498HU	BC007906	26229	pENTR223.1 or pUC	1008
B3GNT1	CSB-CL002499HU	BC021965	11041	pENTR223.1 or pUC	1248
B3GNT2	CSB-CL002500HU	BC030579	10678	pENTR223.1 or pUC	1194
B3GNT5	CSB-CL002503HU	BC028058	84002	pENTR223.1 or pUC	1137
B3GNT6	CSB-CL744392HU	BC103910	192134	pENTR223.1 or pUC	1155
B3GNTL1	CSB-CL734577HU	BC110529	146712	pENTR223.1 or pUC	630
B4GALNT2	CSB-CL854161HU2	BC113677	124872	pENTR223.1 or pUC	1701
B4GALT2	CSB-CL002514HU	BC002431	8704	pENTR223.1 or pUC	921
B4GALT3	CSB-CL002515HU1	BC006099	8703	pENTR223.1 or pUC	1182
B4GALT3	CSB-CL002515HU2	BC000276	8703	pENTR223.1 or pUC	1182
B4GALT4	CSB-CL002516HU1	BC004523	8702	pENTR223.1 or pUC	1035
B4GALT4	CSB-CL002516HU2	BC062618	8702	pENTR223.1 or pUC	1035
B4GALT5	CSB-CL527356HU	BC112265	9334	pENTR223.1 or pUC	1167
B4GALT6	CSB-CL871391HU	BC069620	9331	pENTR223.1 or pUC	1032
B4GALT7	CSB-CL890666HU	BC007317	11285	pENTR223.1 or pUC	984
B9D1	CSB-CL892487HU	BC002944	27077	pENTR223.1 or pUC	462
B9D2	CSB-CL861077HU	BC004157	80776	pENTR223.1 or pUC	528
BAAT	CSB-CL613484HU	BC009567	570	pENTR223.1 or pUC	1257
BACH1	CSB-CL002526HU	BC063307	571	pENTR223.1 or pUC	2211
BAG1	CSB-CL859527HU	BC001936	573	pENTR223.1 or pUC	825



Name	Code	Accession No.	Gene ID	Vector	Length
BAG2	CSB-CL002530HU	BC125039	9532	pENTR223.1 or pUC	636
BAG3	CSB-CL002531HU1	BC006418	9531	pENTR223.1 or pUC	1728
BAG3	CSB-CL002531HU2	BC014656	9531	pENTR223.1 or pUC	1728
BAG5	CSB-CL890743HU	BC050551	9529	pENTR223.1 or pUC	1344
BAGE	CSB-CL621646HU	BC107038	574	pENTR223.1 or pUC	132
BAGE3	CSB-CL768236HU	BC101134	85318	pENTR223.1 or pUC	330
BAIAP2	CSB-CL891988HU1	BC014020	10458	pENTR223.1 or pUC	1569
BAIAP2	CSB-CL891988HU2	BC032559	10458	pENTR223.1 or pUC	1539
BAIAP2L1	CSB-CL887045HU	BC013888	55971	pENTR223.1 or pUC	1536
BAIAP3	CSB-CL002547HU	BC104966	8938	pUC	3564
BAK1	CSB-CL624111HU	BC004431	578	pENTR223.1	636
BAMBI	CSB-CL615666HU	BC019252	25805	pENTR223.1 or pUC	783
BANF1	CSB-CL002550HU	BC005942	8815	pENTR223.1	270
BANK1	CSB-CL836722HU	BC032241	55024	pENTR223.1	2268
BANP	CSB-CL854079HU	BC009424	54971	pENTR223.1 or pUC	1410
BAP1	CSB-CL849763HU	BC001596	8314	pENTR223.1 or pUC	2190
BARX1	CSB-CL888023HU	BC009458	56033	pENTR223.1 or pUC	303
BATF	CSB-CL619074HU	BC032294	10538	pENTR223.1	378
BATF2	CSB-CL822685HU	BC012330	116071	pENTR223.1	570
BATF3	CSB-CL882082HU	BC117489	55509	pENTR223.1 or pUC	384
BAZ2B	CSB-CL883427HU	BC012576	29994	pENTR223.1 or pUC	1932
BBOX1	CSB-CL530450HU	BC011034	8424	pENTR223.1 or pUC	1164
BBS1	CSB-CL836736HU1	BC109064	582	pENTR223.1 or pUC	1782
BBS10	CSB-CL823443HU2	BC013795	79738	pENTR223.1 or pUC	456
BBS10	CSB-CL823443HU1	BC026355	79738	pENTR223.1	1974
BBS2	CSB-CL866303HU	BC014140	583	pENTR223.1 or pUC	2166
BBS4	CSB-CL839407HU	BC027624	585	pENTR223.1 or pUC	1560



Name	Code	Accession No.	Gene ID	Vector	Length
BBS7	CSB-CL814219HU	BC032691	55212	pENTR223.1 or pUC	2019
BBS9	CSB-CL659641HU1	BC032715	27241	pENTR223.1 or pUC	933
BBX	CSB-CL845172HU	BC131718	56987	pENTR223.1	1887
BCAN	CSB-CL822220HU1	BC022938	63827	pENTR223.1 or pUC	2736
BCAP29	CSB-CL002591HU	BC008478	55973	pENTR223.1 or pUC	726
BCAP31	CSB-CL002592HU1	BC065292	10134	pENTR223.1 or pUC	741
BCAP31	CSB-CL002592HU2	BC014323	10134	pENTR223.1 or pUC	741
BCAS1	CSB-CL002596HU2	BC126348	8537	pENTR223.1 or pUC	1755
BCAS2	CSB-CL002597HU	BC005285	10286	pENTR223.1 or pUC	678
BCAS3	CSB-CL872507HU1	BC001250	54828	pENTR223.1 or pUC	1173
BCAT1	CSB-CL002600HU	BC033864	586	pENTR223.1 or pUC	963
BCAT2	CSB-CL002601HU1	BC001900	587	pENTR223.1 or pUC	1179
BCCIP	CSB-CL882175HU	BC009771	56647	pENTR223.1 or pUC	945
BCDIN3D	CSB-CL767206HU	BC053560	144233	pENTR223.1 or pUC	879
BCHE	CSB-CL002604HU1	BC008396	590	pENTR223.1 or pUC	195
BCHE	CSB-CL002604HU2	BC018141	590	pENTR223.1	1809
BCKDK	CSB-CL002607HU2	BC007363	10295	pENTR223.1 or pUC	1239
BCL10	CSB-CL002608HU	BC053617	8915	pENTR223.1 or pUC	702
BCL2A1	CSB-CL614974HU	BC016281	597	pENTR223.1 or pUC	528
BCL2L12	CSB-CL867188HU1	BC007724	83596	pENTR223.1	753
BCL2L12	CSB-CL867188HU2	BC104005	83596	pENTR223.1 or pUC	1005
BCL2L13	CSB-CL861162HU1	BC007658	23786	pENTR223.1 or pUC	1458
BCL2L13	CSB-CL861162HU2	BC003032	23786	pENTR223.1 or pUC	972
BCL2L14	CSB-CL887178HU	BC025778	79370	pENTR223.1 or pUC	984
BCL2L15	CSB-CL719420HU	BC127719	440603	pENTR223.1 or pUC	492
BCL2L2	CSB-CL821707HU	BC113522	599	pENTR223.1 or pUC	582
BCL7C	CSB-CL845147HU2	BC058863	9274	pENTR223.1 or pUC	729



Name	Code	Accession No.	Gene ID	Vector	Length
BCMO1	CSB-CL864015HU1	BC126212	53630	pENTR223.1 or pUC	1644
BCOR	CSB-CL761519HU1	BC063536	54880	pENTR223.1 or pUC	564
BCS1L	CSB-CL897463HU	BC000416	617	pENTR223.1 or pUC	1260
BDH1	CSB-CL002648HU	BC011964	622	pENTR223.1 or pUC	1032
BDH2	CSB-CL874814HU	BC001953	56898	pENTR223.1 or pUC	738
BDKRB1	CSB-CL002651HU	BC034705	623	pENTR223.1 or pUC	1062
BDNF	CSB-CL002655HU	BC029795	627	pENTR223.1	744
BEND3	CSB-CL729205HU	BC131628	57673	pENTR223.1 or pUC	2487
BEND5	CSB-CL741971HU1	BC007932	79656	pENTR223.1 or pUC	1266
BEND5	CSB-CL741971HU2	BC011804	79656	pENTR223.1 or pUC	759
BEND7	CSB-CL850823HU	BC031618	222389	pENTR223.1 or pUC	1098
BEST1	CSB-CL002666HU	BC015220	7439	pENTR223.1 or pUC	1497
BEST3	CSB-CL839780HU1	BC028087	144453	pENTR223.1 or pUC	807
BET1	CSB-CL002670HU1	BC012595	10282	pENTR223.1 or pUC	252
BET1	CSB-CL002670HU2	BC000899	10282	pENTR223.1 or pUC	357
BEX1	CSB-CL862062HU	BC126427	55859	pENTR223.1 or pUC	378
BEX2	CSB-CL883628HU	BC015522	84707	pENTR223.1 or pUC	387
BEX5	CSB-CL705160HU	BC106955	340542	pENTR223.1 or pUC	336
BFAR	CSB-CL002678HU	BC003054	51283	pENTR223.1 or pUC	1353
BFSP1	CSB-CL613275HU	BC041483	631	pENTR223.1 or pUC	1623
BGLAP	CSB-CL002682HU	BC113432	632	pENTR223.1 or pUC	303
BGN	CSB-CL002683HU	BC002416	633	pENTR223.1 or pUC	1107
BHMT	CSB-CL835892HU	BC012616	635	pENTR223.1	1221
BHMT2	CSB-CL875658HU	BC020665	23743	pENTR223.1	1092
BID	CSB-CL002698HU1	BC022072	637	pENTR223.1 or pUC	588
BID	CSB-CL002698HU2	BC009197	637	pENTR223.1 or pUC	588
BIK	CSB-CL615677HU	BC001599	638	pENTR223.1 or pUC	483



Name	Code	Accession No.	Gene ID	Vector	Length
BIN1	CSB-CL002700HU	BC004101	274	pENTR223.1 or pUC	1320
BIN3	CSB-CL002702HU1	BC009824	55909	pENTR223.1 or pUC	762
BIN3	CSB-CL002702HU2	BC001223	55909	pENTR223.1 or pUC	600
BIRC2	CSB-CL618777HU	BC016174	329	pENTR223.1 or pUC	1857
BIRC5	CSB-CL002706HU	BC008718	332	pENTR223.1	429
BIRC7	CSB-CL839300HU	BC014475	79444	pENTR223.1 or pUC	897
BIRC8	CSB-CL846680HU2	BC071665	112401	pENTR223.1 or pUC	1017
BLCAP	CSB-CL002712HU	BC047692	10904	pENTR223.1 or pUC	264
BLID	CSB-CL818276HU	BC130361	414899	pENTR223.1 or pUC	327
BLMH	CSB-CL002716HU	BC003616	642	pENTR223.1 or pUC	1368
BLOC1S1	CSB-CL002718HU	BC130640	2647	pENTR223.1	378
BLOC1S2	CSB-CL754307HU	BC020494	282991	pENTR223.1 or pUC	300
BLVRA	CSB-CL002721HU1	BC008456	644	pENTR223.1 or pUC	891
BLVRA	CSB-CL002721HU2	BC005902	644	pENTR223.1 or pUC	891
BLZF1	CSB-CL872478HU	BC020716	8548	pENTR223.1 or pUC	1203
BMF	CSB-CL850383HU1	BC069328	90427	pENTR223.1 or pUC	555
BMF	CSB-CL850383HU2	BC069505	90427	pENTR223.1 or pUC	555
BMF	CSB-CL850383HU3	BC070043	90427	pENTR223.1 or pUC	555
BMI1	CSB-CL002726HU	BC011652	648	pENTR223.1 or pUC	981
BMP15	CSB-CL002735HU	BC117264	9210	pENTR223.1 or pUC	1179
BMP3	CSB-CL002739HU	BC096269	651	pENTR223.1 or pUC	1419
BMP4	CSB-CL002740HU	BC020546	652	pENTR223.1	1227
BMP5	CSB-CL002741HU	BC027958	653	pENTR223.1 or pUC	1365
BMP7	CSB-CL002744HU1	BC004248	655	pENTR223.1 or pUC	1239
BMP7	CSB-CL002744HU2	BC008584	655	pENTR223.1 or pUC	1296
BMPR1A	CSB-CL002748HU	BC028383	657	pENTR223.1 or pUC	1599
BMX	CSB-CL002761HU	BC016652	660	pENTR223.1	2028



Name	Code	Accession No.	Gene ID	Vector	Length
BNIP1	CSB-CL623663HU	BC010959	662	pENTR223.1 or pUC	687
BNIP2	CSB-CL615541HU	BC002461	663	pENTR223.1 or pUC	945
BNIP3	CSB-CL618642HU	BC021989	664	pENTR223.1 or pUC	585
BNIP3L	CSB-CL002767HU	BC001559	665	pENTR223.1 or pUC	660
BOC	CSB-CL866299HU	BC034614	91653	pENTR223.1 or pUC	474
BOLA1	CSB-CL897545HU	BC063405	51027	pENTR223.1 or pUC	414
BOLA2	CSB-CL867143HU1	BC062756	552900	pENTR223.1 or pUC	177
BOLA2	CSB-CL867143HU2	BC130401	552900	pENTR223.1 or pUC	375
BOLL	CSB-CL854082HU	BC033674	66037	pENTR223.1 or pUC	852
BPESC1	CSB-CL884420HU	BC119686	60467	pENTR223.1 or pUC	351
BPGM	CSB-CL002781HU	BC017050	669	pENTR223.1 or pUC	780
BPHL	CSB-CL774821HU	BC106901	670	pENTR223.1 or pUC	825
BPI	CSB-CL002783HU	BC040955	671	pENTR223.1	1464
BRCA1	CSB-CL002794HU1	BC072418	672	pENTR223.1 or pUC	2100
BRCC3	CSB-CL002798HU	BC002999	79184	pENTR223.1 or pUC	951
BRD9	CSB-CL888000HU	BC041590	65980	pENTR223.1 or pUC	1446
BRE	CSB-CL873684HU	BC001251	9577	pENTR223.1 or pUC	1152
BRF2	CSB-CL872533HU	BC010648	55290	pENTR223.1 or pUC	1260
BRMS1	CSB-CL864034HU	BC009834	25855	pUC	741
BRP44	CSB-CL002816HU	BC104157	25874	pENTR223.1	384
BSCL2	CSB-CL842676HU1	BC012140	26580	pENTR223.1 or pUC	1197
BSCL2	CSB-CL842676HU2	BC009866	26580	pENTR223.1	1395
BSCL2	CSB-CL842676HU3	BC004911	26580	pENTR223.1 or pUC	1197
BSCL2	CSB-CL842676HU4	BC041640	26580	pENTR223.1 or pUC	1197
BSG	CSB-CL002831HU	BC009040	682	pENTR223.1	810
BSND	CSB-CL837883HU1	BC069510	7809	pENTR223.1 or pUC	513
BSND	CSB-CL837883HU2	BC103898	7809	pENTR223.1 or pUC	963



Name	Code	Accession No.	Gene ID	Vector	Length
BST2	CSB-CL606010HU	BC033873	684	pENTR223.1 or pUC	543
BTBD10	CSB-CL874798HU	BC005071	84280	pENTR223.1 or pUC	555
BTBD9	CSB-CL850413HU	BC101357	114781	pENTR223.1 or pUC	1749
BTC	CSB-CL002853HU	BC011618	685	pENTR223.1	537
BTBD	CSB-CL002854HU	BC012099	686	pENTR223.1 or pUC	1632
BTF3	CSB-CL002855HU	BC008062	689	pENTR223.1 or pUC	489
BTF3L4	CSB-CL839354HU	BC022371	91408	pENTR223.1 or pUC	477
BTG1	CSB-CL002863HU	BC016759	694	pENTR223.1 or pUC	516
BTG3	CSB-CL622758HU	BC011957	10950	pENTR223.1 or pUC	891
BTG4	CSB-CL878918HU	BC031045	54766	pENTR223.1 or pUC	621
BTLA	CSB-CL773799HU	BC107091	151888	pENTR223.1	726
BTN1A1	CSB-CL615684HU	BC096312	696	pENTR223.1 or pUC	1581
BTN2A1	CSB-CL755482HU	BC016661	11120	pENTR223.1 or pUC	1005
BTN2A2	CSB-CL848825HU1	BC017497	10385	pENTR223.1 or pUC	1011
BTN2A2	CSB-CL848825HU2	BC014021	10385	pENTR223.1 or pUC	1572
BTN3A1	CSB-CL002873HU	BC121800	11119	pENTR223.1 or pUC	1542
BTN3A2	CSB-CL002874HU	BC002832	11118	pENTR223.1 or pUC	999
BTN3A3	CSB-CL002875HU	BC015815	10384	pENTR223.1 or pUC	1755
BTNL2	CSB-CL883443HU	BC127642	56244	pENTR223.1	738
BTNL3	CSB-CL764943HU	BC100801	10917	pENTR223.1 or pUC	1401
BTNL8	CSB-CL761494HU	BC119696	79908	pENTR223.1 or pUC	1155
BTNL9	CSB-CL744270HU	BC062459	153579	pENTR223.1 or pUC	1035
BTRC	CSB-CL897464HU	BC027994	8945	pENTR223.1 or pUC	1818
BUB1	CSB-CL002882HU	BC028201	699	pUC	3258
BUB1B	CSB-CL002883HU	BC018739	701	pUC	3153
BUB3	CSB-CL002884HU1	BC005138	9184	pENTR223.1	987
BUB3	CSB-CL002884HU2	BC022438	9184	pENTR223.1 or pUC	987



Name	Code	Accession No.	Gene ID	Vector	Length
BUD13	CSB-CL863104HU	BC006350	84811	pENTR223.1 or pUC	1860
BUD31	CSB-CL002886HU	BC022821	8896	pENTR223.1	435
BVES	CSB-CL002887HU1	BC034425	11149	pENTR223.1 or pUC	1083
BVES	CSB-CL002887HU2	BC040502	11149	pENTR223.1 or pUC	870
BYSL	CSB-CL615722HU1	BC007340	705	pENTR223.1 or pUC	975
BZW1	CSB-CL752097HU2	BC026303	9689	pENTR223.1 or pUC	1260
BZW2	CSB-CL896544HU1	BC008453	28969	pENTR223.1 or pUC	1260
BZW2	CSB-CL896544HU2	BC003056	28969	pENTR223.1 or pUC	1260
C10orf107	CSB-CL810275HU	BC041932	219621	pENTR223.1 or pUC	627
C10orf111	CSB-CL843145HU	BC029034	221060	pENTR223.1 or pUC	468
C10orf118	CSB-CL800099HU1	BC030557	55088	pENTR223.1 or pUC	636
C10orf118	CSB-CL800099HU2	BC105632	55088	pENTR223.1 or pUC	2697
C10orf12	CSB-CL847641HU	BC024315	26148	pUC	3744
C10orf125	CSB-CL002922HU	BC129819	282969	pENTR223.1 or pUC	405
C10orf32	CSB-CL842639HU	BC015994	119032	pENTR223.1 or pUC	318
C10orf35	CSB-CL839304HU	BC013587	219738	pENTR223.1 or pUC	366
C10orf40	CSB-CL002950HU	BC119749	283025	pENTR223.1 or pUC	387
C10orf53	CSB-CL818719HU	BC028127	282966	pENTR223.1 or pUC	474
C10orf54	CSB-CL884484HU	BC020568	64115	pENTR223.1 or pUC	936
C10orf62	CSB-CL719409HU	BC037252	414157	pENTR223.1 or pUC	672
C10orf81	CSB-CL716341HU	BC036365	79949	pENTR223.1 or pUC	849
C10orf82	CSB-CL837861HU	BC021737	143379	pENTR223.1 or pUC	465
C10orf88	CSB-CL864002HU	BC032645	80007	pENTR223.1 or pUC	1338
C10orf91	CSB-CL722562HU	BC030794	170393	pENTR223.1 or pUC	438
C10orf96	CSB-CL002987HU	BC044830	374355	pENTR223.1 or pUC	777
C11orf1	CSB-CL880979HU	BC020628	64776	pENTR223.1 or pUC	453
C11orf16	CSB-CL865100HU	BC027865	56673	pENTR223.1 or pUC	1215



Name	Code	Accession No.	Gene ID	Vector	Length
C11orf24	CSB-CL846616HU	BC011765	53838	pENTR223.1 or pUC	1350
C11orf41	CSB-CL751193HU	BC025668	25758	pENTR223.1 or pUC	315
C11orf42	CSB-CL854048HU	BC031612	160298	pENTR223.1 or pUC	1002
C11orf45	CSB-CL819448HU	BC025756	219833	pENTR223.1 or pUC	438
C11orf46	CSB-CL836693HU	BC047775	120534	pENTR223.1 or pUC	783
C11orf49	CSB-CL867158HU1	BC009455	79096	pENTR223.1 or pUC	825
C11orf49	CSB-CL867158HU2	BC013988	79096	pENTR223.1 or pUC	1014
C11orf53	CSB-CL809008HU	BC039669	341032	pENTR223.1 or pUC	711
C11orf54	CSB-CL875644HU1	BC012298	28970	pENTR223.1 or pUC	798
C11orf54	CSB-CL875644HU2	BC007110	28970	pENTR223.1 or pUC	615
C11orf57	CSB-CL761647HU1	BC072455	55216	pENTR223.1 or pUC	792
C11orf57	CSB-CL761647HU2	BC030546	55216	pENTR223.1 or pUC	573
C11orf63	CSB-CL740660HU2	BC009820	79864	pENTR223.1 or pUC	762
C11orf65	CSB-CL854100HU	BC029536	160140	pENTR223.1 or pUC	942
C11orf67	CSB-CL880989HU1	BC016854	28971	pENTR223.1 or pUC	267
C11orf67	CSB-CL880989HU2	BC002752	28971	pENTR223.1 or pUC	369
C11orf68	CSB-CL862008HU	BC010512	83638	pENTR223.1 or pUC	756
C11orf70	CSB-CL871561HU	BC006128	85016	pENTR223.1 or pUC	690
C11orf71	CSB-CL760814HU1	BC071695	54494	pENTR223.1 or pUC	444
C11orf71	CSB-CL760814HU2	BC009041	54494	pENTR223.1 or pUC	372
C11orf72	CSB-CL850854HU	BC104448	283135	pENTR223.1 or pUC	756
C11orf73	CSB-CL706632HU1	BC001677	51501	pENTR223.1 or pUC	594
C11orf73	CSB-CL706632HU2	BC018080	51501	pENTR223.1 or pUC	594
C11orf74	CSB-CL771446HU1	BC009561	119710	pENTR223.1 or pUC	444
C11orf74	CSB-CL771446HU2	BC051031	119710	pENTR223.1 or pUC	666
C11orf75	CSB-CL878871HU	BC031564	56935	pENTR223.1 or pUC	180
C11orf84	CSB-CL887125HU	BC056402	144097	pENTR223.1 or pUC	1146



Name	Code	Accession No.	Gene ID	Vector	Length
C11orf85	CSB-CL659444HU	BC106952	283129	pENTR223.1 or pUC	651
C11orf87	CSB-CL750748HU	BC035798	399947	pENTR223.1 or pUC	594
C12orf10	CSB-CL888015HU1	BC028904	60314	pENTR223.1 or pUC	666
C12orf10	CSB-CL888015HU2	BC051871	60314	pENTR223.1 or pUC	1131
C12orf12	CSB-CL844718HU	BC024183	196477	pENTR223.1 or pUC	1221
C12orf23	CSB-CL855475HU	BC020522	90488	pENTR223.1 or pUC	351
C12orf26	CSB-CL839813HU	BC029120	84190	pENTR223.1 or pUC	1812
C12orf36	CSB-CL673206HU	BC101221	283422	pENTR223.1 or pUC	417
C12orf39	CSB-CL871571HU	BC004336	80763	pENTR223.1 or pUC	351
C12orf4	CSB-CL873619HU	BC016908	57102	pENTR223.1 or pUC	1659
C12orf40	CSB-CL773049HU	BC048120	283461	pENTR223.1 or pUC	1728
C12orf42	CSB-CL853457HU	BC117392	374470	pENTR223.1 or pUC	1083
C12orf43	CSB-CL850269HU	BC014661	64897	pENTR223.1 or pUC	792
C12orf45	CSB-CL854046HU	BC032326	121053	pENTR223.1 or pUC	567
C12orf49	CSB-CL867163HU	BC019843	79794	pENTR223.1 or pUC	618
C12orf50	CSB-CL822743HU	BC038413	160419	pENTR223.1 or pUC	1245
C12orf57	CSB-CL859105HU	BC009925	113246	pENTR223.1 or pUC	381
C12orf59	CSB-CL680179HU	BC131523	120939	pENTR223.1 or pUC	552
C12orf60	CSB-CL719466HU	BC038836	144608	pENTR223.1 or pUC	738
C12orf65	CSB-CL880965HU	BC018145	91574	pENTR223.1 or pUC	501
C12orf66	CSB-CL836259HU	BC036246	144577	pENTR223.1 or pUC	1407
C12orf68	CSB-CL681476HU	BC036801	387856	pENTR223.1 or pUC	585
C12orf69	CSB-CL003101HU	BC132752	440087	pENTR223.1 or pUC	678
C14orf1	CSB-CL891729HU	BC002444	11161	pENTR223.1 or pUC	423
C14orf105	CSB-CL865149HU	BC117405	55195	pENTR223.1 or pUC	888
C14orf118	CSB-CL878906HU	BC058032	55668	pENTR223.1 or pUC	1056
C14orf126	CSB-CL846620HU	BC010618	112487	pENTR223.1	507



Name	Code	Accession No.	Gene ID	Vector	Length
C14orf132	CSB-CL885686HU	BC042922	56967	pENTR223.1 or pUC	522
C14orf135	CSB-CL730960HU	BC033843	64430	pENTR223.1 or pUC	840
C14orf142	CSB-CL880130HU	BC109390	84520	pENTR223.1 or pUC	216
C14orf149	CSB-CL846613HU	BC012131	112849	pENTR223.1 or pUC	1065
C14orf159	CSB-CL772013HU1	BC009182	80017	pENTR223.1 or pUC	480
C14orf159	CSB-CL772013HU2	BC010614	80017	pENTR223.1 or pUC	1851
C14orf166	CSB-CL896684HU	BC001722	51637	pENTR223.1 or pUC	735
C14orf49	CSB-CL751151HU1	BC061899	161176	pENTR223.1 or pUC	201
C14orf79	CSB-CL853415HU	BC011537	122616	pENTR223.1 or pUC	252
C14orf93	CSB-CL864006HU	BC014299	60686	pENTR223.1 or pUC	1497
C15orf29	CSB-CL867115HU	BC026234	79768	pENTR223.1 or pUC	915
C15orf32	CSB-CL654885HU	BC109252	145858	pENTR223.1 or pUC	498
C15orf33	CSB-CL850390HU	BC048125	196951	pENTR223.1 or pUC	915
C15orf38	CSB-CL773801HU	BC053602	348110	pENTR223.1 or pUC	681
C15orf39	CSB-CL761639HU1	BC001762	56905	pENTR223.1 or pUC	414
C15orf40	CSB-CL837852HU	BC019820	123207	pENTR223.1 or pUC	381
C15orf41	CSB-CL897474HU	BC006254	84529	pENTR223.1 or pUC	552
C15orf44	CSB-CL847227HU	BC007991	81556	pENTR223.1 or pUC	1557
C15orf5	CSB-CL880958HU	BC103988	81698	pENTR223.1 or pUC	285
C15orf53	CSB-CL850848HU	BC119016	400359	pENTR223.1 or pUC	540
C15orf57	CSB-CL883607HU	BC001673	90416	pENTR223.1 or pUC	558
C16orf42	CSB-CL892125HU	BC011785	115939	pENTR223.1 or pUC	531
C16orf45	CSB-CL846667HU	BC008967	89927	pENTR223.1	615
C16orf48	CSB-CL867120HU	BC008284	84080	pENTR223.1 or pUC	1041
C16orf5	CSB-CL862004HU	BC002882	29965	pENTR223.1 or pUC	627
C16orf52	CSB-CL847750HU	BC027604	730094	pENTR223.1 or pUC	276
C16orf54	CSB-CL747626HU	BC104466	283897	pENTR223.1 or pUC	675



Name	Code	Accession No.	Gene ID	Vector	Length
C16orf59	CSB-CL748720HU1	BC008882	80178	pENTR223.1 or pUC	588
C16orf59	CSB-CL748720HU2	BC018719	80178	pENTR223.1 or pUC	801
C16orf70	CSB-CL874801HU	BC004556	80262	pENTR223.1 or pUC	1269
C16orf71	CSB-CL809021HU	BC035024	146562	pENTR223.1 or pUC	1563
C16orf72	CSB-CL623955HU	BC113570	29035	pENTR223.1 or pUC	828
C16orf73	CSB-CL843277HU	BC029829	254528	pENTR223.1 or pUC	597
C16orf74	CSB-CL856944HU	BC009078	404550	pENTR223.1	195
C16orf78	CSB-CL848813HU	BC021181	123970	pENTR223.1 or pUC	798
C16orf79	CSB-CL754280HU	BC039154	283870	pENTR223.1 or pUC	687
C16orf80	CSB-CL896752HU	BC005152	29105	pENTR223.1 or pUC	582
C16orf87	CSB-CL764800HU	BC056676	388272	pENTR223.1 or pUC	465
C17orf101	CSB-CL757661HU1	BC009297	79701	pENTR223.1 or pUC	168
C17orf28	CSB-CL808538HU	BC035372	283987	pENTR223.1 or pUC	2367
C17orf47	CSB-CL850873HU	BC022189	284083	pENTR223.1 or pUC	1713
C17orf53	CSB-CL818696HU	BC000121	78995	pENTR223.1 or pUC	1566
C17orf58	CSB-CL643573HU	BC036760	284018	pENTR223.1 or pUC	294
C17orf61	CSB-CL847619HU	BC030270	254863	pENTR223.1	342
C17orf62	CSB-CL859832HU	BC003595	79415	pENTR223.1 or pUC	564
C17orf63	CSB-CL851963HU	BC021228	55731	pENTR223.1 or pUC	1689
C17orf64	CSB-CL771458HU	BC048806	124773	pENTR223.1 or pUC	381
C17orf66	CSB-CL003369HU1	BC033734	256957	pENTR223.1 or pUC	660
C17orf67	CSB-CL610369HU	BC093905	339210	pENTR223.1 or pUC	273
C17orf74	CSB-CL612680HU	BC031286	201243	pENTR223.1 or pUC	1227
C17orf75	CSB-CL881009HU	BC026017	64149	pENTR223.1 or pUC	1191
C17orf78	CSB-CL847630HU	BC034672	284099	pENTR223.1 or pUC	828
C18orf1	CSB-CL003403HU1	BC066971	753	pENTR223.1 or pUC	690
C18orf1	CSB-CL003403HU2	BC030199	753	pENTR223.1 or pUC	867



Name	Code	Accession No.	Gene ID	Vector	Length
C18orf21	CSB-CL654182HU1	BC025950	83608	pENTR223.1 or pUC	399
C18orf21	CSB-CL654182HU2	BC119766	83608	pENTR223.1 or pUC	663
C18orf25	CSB-CL839292HU	BC016149	147339	pENTR223.1 or pUC	1215
C18orf32	CSB-CL851541HU	BC022357	497661	pENTR223.1 or pUC	231
C18orf34	CSB-CL707669HU	BC130535	374864	pENTR223.1 or pUC	2604
C18orf62	CSB-CL662872HU	BC107486	284274	pENTR223.1 or pUC	306
C18orf8	CSB-CL850279HU	BC002950	29919	pENTR223.1 or pUC	1974
C19orf12	CSB-CL878882HU	BC063518	83636	pENTR223.1 or pUC	324
C19orf25	CSB-CL887018HU	BC018441	148223	pENTR223.1 or pUC	357
C19orf44	CSB-CL884480HU	BC027869	84167	pENTR223.1 or pUC	1857
C19orf46	CSB-CL847615HU	BC052573	163183	pENTR223.1 or pUC	876
C19orf47	CSB-CL836699HU1	BC027935	126526	pENTR223.1 or pUC	1068
C19orf47	CSB-CL836699HU2	BC023623	126526	pENTR223.1 or pUC	846
C19orf48	CSB-CL740850HU	BC006151	84798	pENTR223.1 or pUC	354
C19orf53	CSB-CL891978HU	BC015465	28974	pENTR223.1	300
C19orf57	CSB-CL613142HU1	BC012945	79173	pENTR223.1 or pUC	1002
C19orf57	CSB-CL613142HU2	BC002891	79173	pENTR223.1 or pUC	1002
C19orf57	CSB-CL613142HU3	BC119719	79173	pENTR223.1 or pUC	1914
C19orf66	CSB-CL878891HU1	BC035817	55337	pENTR223.1 or pUC	768
C19orf66	CSB-CL878891HU2	BC010847	55337	pENTR223.1 or pUC	492
C1D	CSB-CL623834HU1	BC009584	10438	pENTR223.1 or pUC	426
C1D	CSB-CL623834HU2	BC005235	10438	pENTR223.1 or pUC	426
C1GALT1C1	CSB-CL003490HU	BC011930	29071	pENTR223.1 or pUC	957
C1orf101	CSB-CL719393HU	BC032859	257044	pENTR223.1 or pUC	2499
C1orf105	CSB-CL003497HU	BC038410	92346	pENTR223.1 or pUC	552
C1orf109	CSB-CL889134HU1	BC018109	54955	pENTR223.1	342
C1orf109	CSB-CL889134HU2	BC063843	54955	pENTR223.1 or pUC	612



Name	Code	Accession No.	Gene ID	Vector	Length
C1orf110	CSB-CL803120HU	BC040018	339512	pENTR223.1 or pUC	606
C1orf111	CSB-CL716346HU	BC032957	284680	pENTR223.1 or pUC	786
C1orf112	CSB-CL878881HU	BC107168	55732	pENTR223.1 or pUC	1593
C1orf114	CSB-CL725903HU	BC026073	57821	pENTR223.1 or pUC	1119
C1orf123	CSB-CL873673HU	BC010908	54987	pENTR223.1 or pUC	483
C1orf124	CSB-CL863937HU1	BC015740	83932	pENTR223.1 or pUC	732
C1orf127	CSB-CL854077HU	BC126349	148345	pENTR223.1 or pUC	1947
C1orf130	CSB-CL735965HU	BC127785	400746	pENTR223.1 or pUC	309
C1orf131	CSB-CL818769HU	BC036800	128061	pENTR223.1 or pUC	849
C1orf135	CSB-CL867168HU	BC000209	79000	pENTR223.1 or pUC	1074
C1orf144	CSB-CL773787HU	BC023988	26099	pENTR223.1 or pUC	402
C1orf146	CSB-CL716575HU	BC130499	388649	pENTR223.1 or pUC	543
C1orf150	CSB-CL689332HU	BC024174	148823	pENTR223.1 or pUC	408
C1orf158	CSB-CL839778HU	BC029894	93190	pENTR223.1	585
C1orf159	CSB-CL839334HU	BC008788	54991	pENTR223.1 or pUC	558
C1orf162	CSB-CL818776HU	BC017973	128346	pENTR223.1 or pUC	468
C1orf170	CSB-CL735955HU	BC006300	84808	pENTR223.1 or pUC	177
C1orf173	CSB-CL732832HU	BC073916	127254	pENTR223.1 or pUC	1602
C1orf174	CSB-CL816914HU	BC067302	339448	pENTR223.1 or pUC	732
C1orf182	CSB-CL842631HU	BC014605	128229	pENTR223.1 or pUC	378
C1orf189	CSB-CL730130HU	BC130509	388701	pENTR223.1 or pUC	306
C1orf201	CSB-CL716368HU	BC063891	90529	pENTR223.1 or pUC	729
C1orf21	CSB-CL863957HU	BC028567	81563	pENTR223.1 or pUC	366
C1orf210	CSB-CL808993HU	BC041633	149466	pENTR223.1 or pUC	342
C1orf212	CSB-CL839317HU1	BC011880	113444	pENTR223.1 or pUC	279
C1orf212	CSB-CL839317HU2	BC073851	113444	pENTR223.1 or pUC	564
C1orf216	CSB-CL851523HU	BC026909	127703	pENTR223.1 or pUC	690



Name	Code	Accession No.	Gene ID	Vector	Length
C1orf226	CSB-CL003585HU	BC127744	400793	pENTR223.1 or pUC	819
C1orf31	CSB-CL683360HU	BC116455	388753	pENTR223.1 or pUC	378
C1orf43	CSB-CL874824HU1	BC000152	25912	pENTR223.1 or pUC	762
C1orf43	CSB-CL874824HU2	BC008306	25912	pENTR223.1 or pUC	570
C1orf49	CSB-CL732917HU	BC034972	84066	pENTR223.1 or pUC	648
C1orf50	CSB-CL880109HU	BC001508	79078	pENTR223.1 or pUC	600
C1orf51	CSB-CL850790HU	BC027999	148523	pENTR223.1 or pUC	1158
C1orf53	CSB-CL719622HU	BC130608	388722	pENTR223.1 or pUC	438
C1orf54	CSB-CL840992HU	BC017761	79630	pENTR223.1 or pUC	396
C1orf56	CSB-CL871579HU	BC002469	54964	pENTR223.1 or pUC	1026
C1orf63	CSB-CL880108HU	BC001892	57035	pENTR223.1 or pUC	873
C1orf64	CSB-CL843340HU	BC017946	149563	pENTR223.1 or pUC	510
C1orf65	CSB-CL854058HU	BC030026	164127	pENTR223.1 or pUC	1872
C1orf87	CSB-CL847603HU	BC042203	127795	pENTR223.1 or pUC	417
C1orf94	CSB-CL740705HU1	BC007637	84970	pENTR223.1 or pUC	1227
C1orf94	CSB-CL740705HU2	BC064845	84970	pENTR223.1 or pUC	1227
C1QA	CSB-CL003637HU	BC030153	712	pENTR223.1 or pUC	738
C1QB	CSB-CL003638HU	BC008983	713	pENTR223.1 or pUC	762
C1QC	CSB-CL003641HU	BC009016	714	pENTR223.1	738
C1QTNF1	CSB-CL871599HU	BC021553	114897	pENTR223.1 or pUC	846
C1QTNF2	CSB-CL866305HU	BC054506	114898	pENTR223.1 or pUC	858
C1QTNF3	CSB-CL883621HU1	BC016021	114899	pENTR223.1 or pUC	381
C1QTNF3	CSB-CL883621HU2	BC120990	114899	pENTR223.1 or pUC	960
C1QTNF3	CSB-CL883621HU3	BC112925	114899	pENTR223.1 or pUC	741
C1QTNF4	CSB-CL887148HU	BC035628	114900	pENTR223.1 or pUC	990
C1QTNF6	CSB-CL874831HU	BC020551	114904	pENTR223.1 or pUC	837
C1QTNF9	CSB-CL003654HU	BC040438	338872	pENTR223.1 or pUC	1002



Name	Code	Accession No.	Gene ID	Vector	Length
C1R	CSB-CL003655HU	BC035220	715	pENTR223.1	2118
C20orf11	CSB-CL882124HU	BC032120	54994	pENTR223.1 or pUC	687
C20orf111	CSB-CL865164HU	BC064973	51526	pENTR223.1 or pUC	879
C20orf112	CSB-CL856989HU	BC065370	140688	pENTR223.1 or pUC	1197
C20orf118	CSB-CL003671HU	BC130646	140711	pENTR223.1 or pUC	648
C20orf141	CSB-CL889112HU1	BC021178	128653	pENTR223.1 or pUC	456
C20orf141	CSB-CL889112HU2	BC014591	128653	pENTR223.1 or pUC	498
C20orf144	CSB-CL863100HU	BC032818	128864	pENTR223.1 or pUC	462
C20orf152	CSB-CL850389HU	BC114945	140894	pENTR223.1 or pUC	1272
C20orf166	CSB-CL861993HU	BC110595	128826	pENTR223.1 or pUC	354
C20orf195	CSB-CL883611HU	BC000912	79025	pENTR223.1 or pUC	957
C20orf196	CSB-CL812897HU	BC035800	149840	pENTR223.1 or pUC	618
C20orf197	CSB-CL822688HU	BC101349	284756	pENTR223.1 or pUC	381
C20orf24	CSB-CL861143HU1	BC004446	55969	pENTR223.1 or pUC	264
C20orf24	CSB-CL861143HU2	BC001871	55969	pENTR223.1 or pUC	414
C20orf26	CSB-CL850915HU1	BC031674	26074	pENTR223.1 or pUC	603
C20orf27	CSB-CL875631HU	BC012196	54976	pENTR223.1 or pUC	525
C20orf30	CSB-CL853380HU1	BC009768	29058	pENTR223.1 or pUC	363
C20orf30	CSB-CL853380HU2	BC011990	29058	pENTR223.1 or pUC	363
C20orf30	CSB-CL853380HU3	BC009769	29058	pENTR223.1 or pUC	363
C20orf4	CSB-CL896704HU	BC001751	25980	pENTR223.1 or pUC	1155
C20orf43	CSB-CL887156HU1	BC002769	51507	pENTR223.1 or pUC	129
C20orf43	CSB-CL887156HU2	BC003359	51507	pENTR223.1 or pUC	921
C20orf7	CSB-CL713138HU1	BC005984	79133	pENTR223.1 or pUC	477
C20orf7	CSB-CL713138HU2	BC073158	79133	pENTR223.1 or pUC	954
C20orf72	CSB-CL880084HU	BC016869	92667	pENTR223.1 or pUC	1035
C20orf96	CSB-CL865139HU1	BC051762	140680	pENTR223.1 or pUC	786



Name	Code	Accession No.	Gene ID	Vector	Length
C20orf96	CSB-CL865139HU2	BC134417	140680	pENTR223.1 or pUC	1092
C21orf119	CSB-CL846635HU	BC007928	84996	pENTR223.1 or pUC	186
C21orf128	CSB-CL847617HU	BC063412	150147	pENTR223.1 or pUC	489
C21orf2	CSB-CL003758HU	BC031300	755	pENTR223.1 or pUC	1128
C21orf49	CSB-CL613779HU	BC117397	54067	pENTR223.1 or pUC	240
C21orf56	CSB-CL867117HU	BC009497	84221	pENTR223.1 or pUC	561
C21orf58	CSB-CL003774HU	BC121008	54058	pENTR223.1 or pUC	489
C21orf59	CSB-CL003775HU	BC000709	56683	pENTR223.1 or pUC	873
C21orf63	CSB-CL003777HU	BC038710	59271	pENTR223.1	1317
C21orf67	CSB-CL003779HU1	BC101235	84536	pENTR223.1 or pUC	492
C21orf67	CSB-CL003779HU2	BC128244	84536	pENTR223.1 or pUC	624
C21orf77	CSB-CL882112HU	BC027970	55264	pENTR223.1 or pUC	381
C21orf88	CSB-CL003793HU1	BC080530	114041	pENTR223.1 or pUC	270
C21orf88	CSB-CL003793HU2	BC119737	114041	pENTR223.1 or pUC	438
C22orf13	CSB-CL839384HU1	BC004144	83606	pENTR223.1 or pUC	249
C22orf13	CSB-CL839384HU2	BC070109	83606	pENTR223.1 or pUC	720
C22orf23	CSB-CL871624HU	BC031998	84645	pENTR223.1 or pUC	654
C22orf25	CSB-CL743560HU	BC041339	128989	pENTR223.1 or pUC	831
C22orf28	CSB-CL897546HU1	BC002970	51493	pENTR223.1 or pUC	1518
C22orf28	CSB-CL897546HU2	BC016707	51493	pENTR223.1 or pUC	1518
C22orf29	CSB-CL748721HU	BC011679	79680	pENTR223.1 or pUC	912
C22orf31	CSB-CL003813HU1	BC126262	25770	pENTR223.1 or pUC	873
C22orf31	CSB-CL003813HU2	BC126264	25770	pENTR223.1 or pUC	873
C22orf32	CSB-CL880975HU	BC024237	91689	pENTR223.1 or pUC	324
C22orf39	CSB-CL761294HU1	BC030758	128977	pENTR223.1 or pUC	243
C22orf39	CSB-CL761294HU2	BC062599	128977	pENTR223.1 or pUC	318
C22orf40	CSB-CL764676HU	BC067871	150383	pENTR223.1 or pUC	372



Name	Code	Accession No.	Gene ID	Vector	Length
C2orf15	CSB-CL823878HU	BC021264	150590	pENTR223.1 or pUC	378
C2orf18	CSB-CL843146HU	BC028081	54978	pENTR223.1 or pUC	1116
C2orf40	CSB-CL887957HU	BC021742	84417	pENTR223.1 or pUC	447
C2orf43	CSB-CL875685HU	BC017473	60526	pENTR223.1 or pUC	978
C2orf44	CSB-CL875684HU	BC035698	80304	pENTR223.1 or pUC	1869
C2orf47	CSB-CL855488HU	BC017959	79568	pENTR223.1 or pUC	876
C2orf49	CSB-CL861147HU	BC001310	79074	pENTR223.1 or pUC	699
C2orf50	CSB-CL839365HU	BC120930	130813	pENTR223.1 or pUC	489
C2orf53	CSB-CL681514HU	BC045671	339779	pENTR223.1 or pUC	1239
C2orf56	CSB-CL765978HU1	BC012374	55471	pENTR223.1 or pUC	300
C2orf56	CSB-CL765978HU2	BC004548	55471	pENTR223.1 or pUC	1326
C2orf63	CSB-CL847749HU1	BC036908	130162	pENTR223.1 or pUC	1395
C2orf63	CSB-CL847749HU2	BC029502	130162	pENTR223.1 or pUC	1761
C2orf65	CSB-CL851539HU2	BC014602	130951	pENTR223.1 or pUC	1098
C2orf65	CSB-CL851539HU1	BC025997	130951	pENTR223.1 or pUC	1593
C2orf69	CSB-CL822731HU	BC036456	205327	pENTR223.1 or pUC	810
C2orf73	CSB-CL850808HU2	BC126244	129852	pENTR223.1 or pUC	501
C2orf76	CSB-CL659452HU	BC126395	130355	pENTR223.1 or pUC	381
C2orf77	CSB-CL613149HU	BC117445	129881	pENTR223.1 or pUC	1641
C2orf80	CSB-CL603916HU	BC035737	389073	pENTR223.1 or pUC	582
C2orf82	CSB-CL757790HU	BC130307	389084	pENTR223.1 or pUC	366
C2orf83	CSB-CL709610HU	BC131618	56918	pENTR223.1 or pUC	453
C3orf14	CSB-CL884512HU	BC017772	57415	pENTR223.1 or pUC	387
C3orf17	CSB-CL740671HU	BC067743	25871	pENTR223.1 or pUC	1704
C3orf18	CSB-CL892447HU	BC034766	51161	pENTR223.1 or pUC	489
C3orf19	CSB-CL761357HU	BC013999	51244	pENTR223.1 or pUC	1119
C3orf20	CSB-CL818767HU	BC038406	84077	pENTR223.1 or pUC	2349



Name	Code	Accession No.	Gene ID	Vector	Length
C3orf23	CSB-CL839790HU	BC101060	285343	pENTR223.1 or pUC	1491
C3orf24	CSB-CL847204HU	BC028122	115795	pENTR223.1 or pUC	534
C3orf25	CSB-CL740681HU	BC066975	90288	pENTR223.1 or pUC	1719
C3orf26	CSB-CL858413HU	BC006475	84319	pENTR223.1 or pUC	840
C3orf32	CSB-CL896877HU	BC052614	51066	pENTR223.1 or pUC	909
C3orf33	CSB-CL754172HU	BC064898	285315	pENTR223.1 or pUC	885
C3orf36	CSB-CL662245HU	BC104162	80111	pENTR223.1 or pUC	498
C3orf37	CSB-CL856937HU1	BC009993	56941	pENTR223.1 or pUC	1065
C3orf37	CSB-CL856937HU2	BC010125	56941	pENTR223.1 or pUC	1065
C3orf38	CSB-CL708479HU	BC024188	285237	pENTR223.1 or pUC	984
C3orf43	CSB-CL623935HU	BC118636	255798	pENTR223.1 or pUC	645
C3orf45	CSB-CL822677HU	BC028000	132228	pENTR223.1	495
C3orf49	CSB-CL856904HU	BC015210	132200	pENTR223.1 or pUC	879
C3orf55	CSB-CL003931HU	BC126187	152078	pENTR223.1 or pUC	357
C3orf62	CSB-CL741069HU1	BC053629	375341	pENTR223.1 or pUC	804
C3orf62	CSB-CL741069HU2	BC061697	375341	pENTR223.1 or pUC	804
C4BPB	CSB-CL003954HU	BC005378	725	pENTR223.1 or pUC	756
C4orf19	CSB-CL810296HU	BC037906	55286	pENTR223.1 or pUC	945
C4orf21	CSB-CL803153HU	BC044799	55345	pUC	3189
C4orf26	CSB-CL613780HU	BC117342	152816	pENTR223.1 or pUC	393
C4orf27	CSB-CL865162HU	BC010367	54969	pENTR223.1 or pUC	1041
C4orf29	CSB-CL610370HU2	BC128143	80167	pENTR223.1 or pUC	999
C4orf3	CSB-CL823892HU	BC017399	401152	pENTR223.1 or pUC	201
C4orf32	CSB-CL836692HU	BC041964	132720	pENTR223.1 or pUC	345
C4orf33	CSB-CL822682HU	BC032582	132321	pENTR223.1 or pUC	600
C4orf34	CSB-CL857012HU	BC008502	201895	pENTR223.1 or pUC	300
C4orf36	CSB-CL853451HU	BC016746	132989	pENTR223.1 or pUC	354



Name	Code	Accession No.	Gene ID	Vector	Length
C4orf37	CSB-CL847628HU	BC036870	285555	pENTR223.1 or pUC	1380
C4orf46	CSB-CL687370HU	BC065017	201725	pENTR223.1 or pUC	342
C4orf49	CSB-CL840570HU	BC104174	84709	pENTR223.1 or pUC	723
C4orf6	CSB-CL858711HU	BC117444	10141	pENTR223.1 or pUC	282
C5AR1	CSB-CL003996HU	BC008982	728	pENTR223.1	1053
C5orf22	CSB-CL675468HU	BC021215	55322	pENTR223.1 or pUC	1329
C5orf24	CSB-CL773601HU	BC053677	134553	pENTR223.1 or pUC	567
C5orf25	CSB-CL822768HU	BC032390	375484	pENTR223.1 or pUC	1002
C5orf28	CSB-CL610832HU	BC063832	64417	pENTR223.1 or pUC	648
C5orf30	CSB-CL842679HU	BC009203	90355	pENTR223.1 or pUC	621
C5orf34	CSB-CL839374HU	BC036867	375444	pENTR223.1 or pUC	1917
C5orf35	CSB-CL836727HU	BC036528	133383	pENTR223.1 or pUC	900
C5orf4	CSB-CL846639HU	BC007216	10826	pENTR223.1 or pUC	1002
C5orf44	CSB-CL004022HU	BC012006	80006	pENTR223.1 or pUC	780
C5orf45	CSB-CL747338HU	BC069051	51149	pENTR223.1 or pUC	1032
C5orf46	CSB-CL754408HU	BC021680	389336	pENTR223.1 or pUC	219
C5orf48	CSB-CL765062HU	BC130495	389320	pENTR223.1 or pUC	405
C5orf49	CSB-CL004027HU	BC104205	134121	pENTR223.1 or pUC	444
C5orf51	CSB-CL004030HU	BC131721	285636	pENTR223.1 or pUC	459
C6	CSB-CL004036HU	BC035723	729	pENTR223.1	2805
C6orf10	CSB-CL713105HU	BC034774	10665	pENTR223.1 or pUC	1692
C6orf106	CSB-CL863990HU	BC002328	64771	pENTR223.1 or pUC	897
C6orf118	CSB-CL732924HU	BC026278	168090	pENTR223.1 or pUC	1410
C6orf136	CSB-CL713102HU	BC016167	221545	pENTR223.1 or pUC	519
C6orf141	CSB-CL725558HU	BC036917	135398	pENTR223.1 or pUC	714
C6orf162	CSB-CL850324HU	BC070260	57150	pENTR223.1 or pUC	294
C6orf195	CSB-CL822264HU	BC104008	154386	pENTR223.1 or pUC	384



Name	Code	Accession No.	Gene ID	Vector	Length
C6orf201	CSB-CL773792HU	BC066986	404220	pENTR223.1 or pUC	396
C6orf203	CSB-CL889170HU	BC010899	51250	pENTR223.1 or pUC	723
C6orf211	CSB-CL867178HU	BC011348	79624	pENTR223.1 or pUC	1326
C6orf48	CSB-CL880057HU1	BC000706	50854	pENTR223.1 or pUC	114
C6orf48	CSB-CL880057HU2	BC017660	50854	pENTR223.1 or pUC	228
C6orf57	CSB-CL730132HU	BC018085	135154	pENTR223.1 or pUC	327
C6orf58	CSB-CL764734HU	BC062712	352999	pENTR223.1 or pUC	813
C6orf89	CSB-CL764939HU	BC105947	221477	pENTR223.1 or pUC	1065
C7	CSB-CL004145HU	BC063851	730	pENTR223.1 or pUC	2532
C7orf10	CSB-CL867183HU	BC098318	79783	pENTR223.1 or pUC	1416
C7orf23	CSB-CL874810HU	BC002837	79161	pENTR223.1 or pUC	357
C7orf25	CSB-CL860241HU	BC000769	79020	pENTR223.1 or pUC	1266
C7orf29	CSB-CL842669HU	BC011406	113763	pENTR223.1 or pUC	711
C7orf31	CSB-CL839824HU1	BC015397	136895	pENTR223.1 or pUC	903
C7orf31	CSB-CL839824HU2	BC043269	136895	pENTR223.1 or pUC	1773
C7orf31	CSB-CL839824HU3	BC060879	136895	pENTR223.1 or pUC	1773
C7orf33	CSB-CL840977HU	BC021251	202865	pENTR223.1 or pUC	534
C7orf34	CSB-CL839358HU	BC014596	135927	pENTR223.1 or pUC	369
C7orf42	CSB-CL873669HU1	BC008675	55069	pENTR223.1 or pUC	945
C7orf42	CSB-CL873669HU2	BC010519	55069	pENTR223.1 or pUC	612
C7orf44	CSB-CL875637HU	BC056884	55744	pENTR223.1	441
C7orf45	CSB-CL845158HU	BC017587	136263	pENTR223.1 or pUC	735
C7orf46	CSB-CL004172HU	BC063130	340277	pENTR223.1 or pUC	897
C7orf50	CSB-CL866265HU	BC006224	84310	pENTR223.1 or pUC	585
C7orf53	CSB-CL818730HU	BC126149	286006	pENTR223.1 or pUC	396
C7orf58	CSB-CL004182HU	BC030538	79974	pENTR223.1 or pUC	1692
C7orf59	CSB-CL613151HU1	BC130553	389541	pENTR223.1 or pUC	300



Name	Code	Accession No.	Gene ID	Vector	Length
C7orf59	CSB-CL613151HU2	BC063401	389541	pENTR223.1 or pUC	300
C7orf60	CSB-CL635213HU	BC114615	154743	pENTR223.1 or pUC	1218
C7orf61	CSB-CL814238HU	BC031966	402573	pENTR223.1 or pUC	621
C7orf62	CSB-CL851537HU	BC028365	219557	pENTR223.1 or pUC	762
C8A	CSB-CL004194HU1	BC132913	731	pENTR223.1 or pUC	1755
C8A	CSB-CL004194HU2	BC132911	731	pENTR223.1 or pUC	1755
C8B	CSB-CL004195HU	BC130575	732	pENTR223.1 or pUC	1776
C8G	CSB-CL004196HU	BC113626	733	pENTR223.1 or pUC	609
C8orf22	CSB-CL840995HU	BC017981	492307	pENTR223.1 or pUC	246
C8orf31	CSB-CL843300HU	BC073830	286122	pENTR223.1 or pUC	189
C8orf33	CSB-CL872511HU	BC010001	65265	pENTR223.1 or pUC	690
C8orf34	CSB-CL675467HU	BC041961	116328	pENTR223.1 or pUC	1422
C8orf4	CSB-CL882079HU	BC020623	56892	pENTR223.1 or pUC	321
C8orf40	CSB-CL856922HU	BC013035	114926	pENTR223.1 or pUC	303
C8orf44	CSB-CL853395HU	BC014448	56260	pENTR223.1 or pUC	480
C8orf45	CSB-CL675697HU	BC063108	157777	pENTR223.1 or pUC	1758
C8orf48	CSB-CL853456HU	BC031245	157773	pENTR223.1 or pUC	960
C8orf51	CSB-CL871590HU	BC000203	78998	pENTR223.1 or pUC	180
C8orf58	CSB-CL854088HU	BC012750	541565	pENTR223.1 or pUC	990
C8orf59	CSB-CL836635HU	BC032347	401466	pENTR223.1 or pUC	132
C8orf68	CSB-CL004242HU	BC022082	619343	pENTR223.1 or pUC	255
C8orf71	CSB-CL897284HU	BC125038	26138	pENTR223.1 or pUC	441
C8orf74	CSB-CL764703HU	BC132852	203076	pENTR223.1 or pUC	885
C8orf76	CSB-CL856963HU	BC012379	84933	pENTR223.1 or pUC	879
C8orf77	CSB-CL612563HU	BC122544	286103	pENTR223.1 or pUC	636
C8orf83	CSB-CL730816HU	BC104255	286144	pENTR223.1 or pUC	291
C9	CSB-CL004259HU	BC020721	735	pENTR223.1	1680



Name	Code	Accession No.	Gene ID	Vector	Length
C9orf100	CSB-CL854040HU	BC033666	84904	pENTR223.1 or pUC	1008
C9orf102	CSB-CL004261HU	BC022957	375748	pENTR223.1 or pUC	1383
C9orf106	CSB-CL850849HU	BC132699	414318	pENTR223.1 or pUC	699
C9orf116	CSB-CL691518HU	BC021261	138162	pENTR223.1 or pUC	279
C9orf117	CSB-CL686386HU	BC141809	286207	pENTR223.1 or pUC	1278
C9orf139	CSB-CL744427HU	BC132809	401563	pENTR223.1 or pUC	573
C9orf16	CSB-CL863126HU	BC001857	79095	pENTR223.1	252
C9orf163	CSB-CL822739HU	BC117152	158055	pENTR223.1 or pUC	612
C9orf23	CSB-CL822707HU	BC032136	138716	pENTR223.1 or pUC	492
C9orf37	CSB-CL887963HU	BC066646	85026	pENTR223.1 or pUC	531
C9orf43	CSB-CL819445HU	BC026884	257169	pENTR223.1 or pUC	1386
C9orf46	CSB-CL875713HU	BC008212	55848	pENTR223.1 or pUC	444
C9orf57	CSB-CL730146HU	BC130404	138240	pENTR223.1 or pUC	384
C9orf62	CSB-CL839795HU	BC034752	157927	pENTR223.1 or pUC	459
C9orf64	CSB-CL713128HU	BC004407	84267	pENTR223.1 or pUC	483
C9orf71	CSB-CL836678HU	BC029780	169693	pENTR223.1 or pUC	513
C9orf72	CSB-CL842710HU	BC068445	203228	pENTR223.1 or pUC	1446
C9orf78	CSB-CL878933HU1	BC017570	51759	pENTR223.1 or pUC	870
C9orf78	CSB-CL878933HU2	BC007664	51759	pENTR223.1 or pUC	870
C9orf85	CSB-CL853464HU1	BC052375	138241	pENTR223.1 or pUC	474
C9orf85	CSB-CL853464HU2	BC010179	138241	pENTR223.1 or pUC	108
C9orf89	CSB-CL842711HU	BC004500	84270	pENTR223.1 or pUC	552
C9orf9	CSB-CL839312HU	BC012940	11092	pENTR223.1 or pUC	669
C9orf91	CSB-CL716585HU	BC107134	203197	pENTR223.1 or pUC	966
CA1	CSB-CL004364HU	BC027890	759	pENTR223.1 or pUC	786
CA10	CSB-CL878879HU	BC020577	56934	pENTR223.1 or pUC	987
CA11	CSB-CL004366HU	BC002662	770	pENTR223.1 or pUC	987



Name	Code	Accession No.	Gene ID	Vector	Length
CA12	CSB-CL004367HU	BC001012	771	pENTR223.1	426
CA13	CSB-CL847613HU	BC052602	377677	pENTR223.1 or pUC	789
CA14	CSB-CL891783HU	BC034412	23632	pENTR223.1 or pUC	1014
CA2	CSB-CL004370HU	BC011949	760	pENTR223.1 or pUC	783
CA3	CSB-CL004371HU	BC004897	761	pENTR223.1 or pUC	783
CA5B	CSB-CL896871HU	BC028142	11238	pENTR223.1 or pUC	954
CA6	CSB-CL004377HU	BC034350	765	pENTR223.1 or pUC	540
CA7	CSB-CL004378HU	BC033865	766	pENTR223.1 or pUC	795
CA8	CSB-CL004379HU1	BC015531	767	pENTR223.1 or pUC	462
CA8	CSB-CL004379HU2	BC069744	767	pENTR223.1 or pUC	873
CA8	CSB-CL004379HU3	BC069794	767	pENTR223.1 or pUC	873
CA9	CSB-CL614990HU	BC014950	768	pENTR223.1 or pUC	1380
CAB39L	CSB-CL872527HU	BC010993	81617	pENTR223.1 or pUC	1014
CABP1	CSB-CL868373HU	BC015006	9478	pENTR223.1 or pUC	915
CABP5	CSB-CL865092HU	BC126133	56344	pENTR223.1 or pUC	522
CABP7	CSB-CL803125HU	BC051805	164633	pENTR223.1 or pUC	648
CABYR	CSB-CL004393HU	BC011996	26256	pENTR223.1 or pUC	1140
CACNA2D4	CSB-CL801802HU	BC048288	93589	pENTR223.1 or pUC	615
CACNB1	CSB-CL004411HU	BC037311	782	pENTR223.1 or pUC	1779
CACNG1	CSB-CL004415HU	BC113486	786	pENTR223.1 or pUC	669
CACNG2	CSB-CL896926HU	BC069612	10369	pENTR223.1 or pUC	972
CACNG3	CSB-CL004417HU	BC040005	10368	pENTR223.1 or pUC	948
CACNG7	CSB-CL004421HU	BC113503	59284	pENTR223.1 or pUC	828
CADM1	CSB-CL004425HU1	BC047021	23705	pENTR223.1 or pUC	1164
CADM1	CSB-CL004425HU2	BC125103	23705	pENTR223.1 or pUC	1245
CADPS	CSB-CL892150HU	BC131731	8618	pENTR223.1 or pUC	2331
CAGE1	CSB-CL837427HU	BC026194	285782	pENTR223.1 or pUC	2103



Name	Code	Accession No.	Gene ID	Vector	Length
CALB2	CSB-CL004433HU	BC015484	794	pENTR223.1 or pUC	816
CALCA	CSB-CL004434HU	BC069760	796	pENTR223.1 or pUC	426
CALCB	CSB-CL004435HU	BC008428	797	pENTR223.1 or pUC	384
CALCOCO1	CSB-CL878956HU	BC003177	57658	pENTR223.1 or pUC	2076
CALCOCO2	CSB-CL614394HU1	BC015893	10241	pENTR223.1	1341
CALCOCO2	CSB-CL614394HU2	BC004130	10241	pENTR223.1 or pUC	1341
CALD1	CSB-CL004441HU	BC040354	800	pENTR223.1 or pUC	1617
CALHM1	CSB-CL808532HU	BC036193	255022	pENTR223.1	1041
CALHM3	CSB-CL768231HU	BC043367	119395	pENTR223.1 or pUC	1053
CALM1	CSB-CL004445HU1	BC007965	801	pENTR223.1 or pUC	342
CALM1	CSB-CL004445HU2	BC000454	801	pENTR223.1	450
CALML4	CSB-CL836218HU	BC009516	91860	pENTR223.1 or pUC	363
CALML5	CSB-CL873713HU	BC039172	51806	pENTR223.1 or pUC	441
CALN1	CSB-CL871605HU	BC020200	83698	pENTR223.1 or pUC	660
CALR	CSB-CL004458HU	BC002500	811	pENTR223.1 or pUC	1254
CALR3	CSB-CL856970HU	BC014595	125972	pENTR223.1 or pUC	1155
CALU	CSB-CL004460HU	BC013383	813	pENTR223.1 or pUC	948
CAMK1D	CSB-CL812863HU	BC035745	57118	pENTR223.1 or pUC	1158
CAMK1G	CSB-CL846679HU	BC032787	57172	pENTR223.1 or pUC	1431
CAMK4	CSB-CL614976HU	BC016695	814	pENTR223.1 or pUC	1422
CAMKK1	CSB-CL836672HU	BC031647	84254	pENTR223.1 or pUC	1563
CAMKV	CSB-CL839850HU1	BC017363	79012	pENTR223.1 or pUC	1506
CAMKV	CSB-CL839850HU2	BC000497	79012	pENTR223.1 or pUC	1506
CAMLG	CSB-CL004475HU	BC130325	819	pENTR223.1 or pUC	891
CAMP	CSB-CL004476HU	BC055089	820	pENTR223.1 or pUC	513
CAMTA2	CSB-CL004480HU	BC032381	23125	pENTR223.1 or pUC	666
CANT1	CSB-CL848824HU	BC017655	124583	pENTR223.1 or pUC	1206



Name	Code	Accession No.	Gene ID	Vector	Length
CAP1	CSB-CL004486HU	BC013963	10487	pENTR223.1	1428
CAP2	CSB-CL004487HU	BC008481	10486	pENTR223.1 or pUC	1434
CAPG	CSB-CL004489HU1	BC014549	822	pENTR223.1	1047
CAPG	CSB-CL004489HU2	BC000728	822	pENTR223.1 or pUC	1047
CAPN1	CSB-CL004490HU1	BC017200	823	pENTR223.1 or pUC	2145
CAPN1	CSB-CL004490HU2	BC008751	823	pENTR223.1 or pUC	2145
CAPN3	CSB-CL004497HU1	BC003169	825	pENTR223.1	930
CAPN3	CSB-CL004497HU2	BC003521	825	pENTR223.1 or pUC	471
CAPN5	CSB-CL004498HU	BC018123	726	pENTR223.1 or pUC	1923
CAPN6	CSB-CL897594HU	BC000730	827	pENTR223.1 or pUC	1926
CAPN7	CSB-CL896764HU	BC056202	23473	pENTR223.1 or pUC	2442
CAPNS1	CSB-CL004503HU2	BC000592	826	pENTR223.1 or pUC	807
CAPNS1	CSB-CL004503HU3	BC018931	826	pENTR223.1 or pUC	807
CAPNS2	CSB-CL822248HU	BC005397	84290	pENTR223.1 or pUC	747
CAPS2	CSB-CL861167HU1	BC056672	84698	pENTR223.1 or pUC	882
CAPS2	CSB-CL861167HU2	BC131724	84698	pENTR223.1 or pUC	615
CAPSL	CSB-CL837864HU	BC017586	133690	pENTR223.1 or pUC	597
CAPZA2	CSB-CL004512HU	BC005338	830	pENTR223.1 or pUC	861
CAPZA3	CSB-CL850329HU	BC016745	93661	pENTR223.1 or pUC	900
CAPZB	CSB-CL004514HU1	BC008095	832	pENTR223.1 or pUC	240
CAPZB	CSB-CL004514HU2	BC109241	832	pENTR223.1 or pUC	819
CARD10	CSB-CL871592HU	BC117403	29775	pUC	3093
CARD8	CSB-CL896691HU	BC056891	22900	pENTR223.1 or pUC	1179
CARD9	CSB-CL867133HU	BC008877	64170	pENTR223.1	1479
CARHSP1	CSB-CL896497HU	BC003366	23589	pENTR223.1 or pUC	444
CARKD	CSB-CL808995HU	BC041028	55739	pENTR223.1 or pUC	1044
CARS	CSB-CL004529HU	BC002880	833	pENTR223.1 or pUC	2247



Name	Code	Accession No.	Gene ID	Vector	Length
CARTPT	CSB-CL619077HU	BC029882	9607	pUC	351
CASC1	CSB-CL754371HU1	BC117281	55259	pENTR223.1 or pUC	2031
CASC1	CSB-CL754371HU2	BC057795	55259	pENTR223.1 or pUC	2151
CASC4	CSB-CL764724HU1	BC012124	113201	pENTR223.1 or pUC	534
CASC4	CSB-CL764724HU2	BC063480	113201	pENTR223.1 or pUC	1302
CASK	CSB-CL004539HU	BC117311	8573	pENTR223.1 or pUC	2697
CASP1	CSB-CL004543HU	BC062327	834	pENTR223.1 or pUC	936
CASP10	CSB-CL838815HU	BC042844	843	pENTR223.1 or pUC	1569
CASP14	CSB-CL004546HU	BC069541	23581	pENTR223.1 or pUC	729
CASP2	CSB-CL004547HU	BC002427	835	pENTR223.1 or pUC	1359
CASP3	CSB-CL004548HU	BC016926	836	pENTR223.1 or pUC	834
CASP5	CSB-CL004550HU	BC113406	838	pENTR223.1 or pUC	1257
CASP6	CSB-CL004551HU	BC000305	839	pENTR223.1 or pUC	882
CASP7	CSB-CL004552HU	BC015799	840	pENTR223.1 or pUC	912
CASP9	CSB-CL004555HU	BC002452	842	pENTR223.1	1251
CASQ1	CSB-CL004556HU	BC022289	844	pENTR223.1 or pUC	1173
CASQ2	CSB-CL004557HU	BC022288	845	pENTR223.1 or pUC	1200
CASR	CSB-CL004558HU	BC112236	846	pUC	3237
CAT	CSB-CL004563HU	BC110398	847	pENTR223.1 or pUC	1584
CATSPER1	CSB-CL843336HU	BC032950	117144	pENTR223.1 or pUC	2343
CATSPER2	CSB-CL842731HU	BC028728	117155	pENTR223.1 or pUC	600
CATSPER3	CSB-CL801258HU	BC110384	347732	pENTR223.1 or pUC	1197
CATSPER4	CSB-CL745763HU	BC128139	378807	pENTR223.1 or pUC	1419
CAV2	CSB-CL004572HU	BC005256	858	pENTR223.1	489
CAV3	CSB-CL004573HU1	BC069368	859	pENTR223.1 or pUC	456
CAV3	CSB-CL004573HU2	BC102036	859	pENTR223.1 or pUC	456
CBFA2T2	CSB-CL004575HU2	BC015066	9139	pENTR223.1 or pUC	792



Name	Code	Accession No.	Gene ID	Vector	Length
CBFA2T2	CSB-CL004575HU1	BC040344	9139	pENTR223.1 or pUC	1845
CBFB	CSB-CL623835HU	BC018509	865	pENTR223.1 or pUC	549
CBLB	CSB-CL623789HU	BC032851	868	pENTR223.1 or pUC	2949
CBLN4	CSB-CL868318HU	BC069402	140689	pENTR223.1 or pUC	606
CBR1	CSB-CL004586HU	BC002511	873	pENTR223.1 or pUC	834
CBR4	CSB-CL850803HU1	BC033650	84869	pENTR223.1 or pUC	714
CBR4	CSB-CL850803HU2	BC021973	84869	pENTR223.1 or pUC	714
CBS	CSB-CL004589HU1	BC007257	875	pENTR223.1 or pUC	1656
CBS	CSB-CL004589HU2	BC000440	875	pENTR223.1 or pUC	1656
CBS	CSB-CL004589HU3	BC010242	875	pENTR223.1 or pUC	1656
CBWD1	CSB-CL883588HU1	BC005996	55871	pENTR223.1 or pUC	1188
CBWD1	CSB-CL883588HU2	BC009573	55871	pENTR223.1 or pUC	1080
CBWD1	CSB-CL883588HU3	BC132759	55871	pENTR223.1 or pUC	1188
CBWD2	CSB-CL814202HU	BC120991	150472	pENTR223.1 or pUC	1188
CBWD5	CSB-CL732833HU	BC067803	220869	pENTR223.1 or pUC	543
CBX2	CSB-CL613521HU	BC004252	84733	pENTR223.1 or pUC	636
CBX5	CSB-CL004601HU	BC006821	23468	pENTR223.1 or pUC	576
CBX8	CSB-CL864026HU	BC009376	57332	pENTR223.1 or pUC	1170
CBY1	CSB-CL896889HU	BC016139	25776	pENTR223.1 or pUC	381
CC2D1B	CSB-CL725560HU1	BC007912	200014	pENTR223.1 or pUC	477
CC2D1B	CSB-CL725560HU2	BC016880	200014	pENTR223.1 or pUC	1599
CCBE1	CSB-CL747637HU	BC046645	147372	pENTR223.1 or pUC	648
CCBL1	CSB-CL613699HU1	BC013069	883	pENTR223.1 or pUC	339
CCBL1	CSB-CL613699HU2	BC021262	883	pENTR223.1 or pUC	753
CCBL1	CSB-CL613699HU3	BC033685	883	pENTR223.1 or pUC	1125
CCBL2	CSB-CL740996HU	BC000819	56267	pENTR223.1 or pUC	873
CCBP2	CSB-CL004618HU	BC008816	1238	pENTR223.1 or pUC	1155



Name	Code	Accession No.	Gene ID	Vector	Length
CCDC101	CSB-CL856928HU	BC011981	112869	pENTR223.1 or pUC	882
CCDC102B	CSB-CL734653HU1	BC056269	79839	pENTR223.1 or pUC	420
CCDC102B	CSB-CL734653HU2	BC126448	79839	pENTR223.1 or pUC	894
CCDC103	CSB-CL812877HU	BC041060	388389	pENTR223.1 or pUC	729
CCDC104	CSB-CL846623HU	BC010011	112942	pENTR223.1 or pUC	1029
CCDC106	CSB-CL863135HU	BC000412	29903	pENTR223.1 or pUC	843
CCDC107	CSB-CL837855HU	BC018758	203260	pENTR223.1 or pUC	852
CCDC108	CSB-CL757963HU	BC031585	255101	pENTR223.1 or pUC	492
CCDC109B	CSB-CL873671HU	BC002633	55013	pENTR223.1 or pUC	747
CCDC11	CSB-CL856981HU	BC030606	220136	pENTR223.1 or pUC	1200
CCDC110	CSB-CL855044HU2	BC038515	256309	pENTR223.1 or pUC	2391
CCDC110	CSB-CL855044HU1	BC028419	256309	pENTR223.1 or pUC	2502
CCDC112	CSB-CL818774HU	BC031242	153733	pENTR223.1 or pUC	1341
CCDC113	CSB-CL880934HU	BC126445	29070	pENTR223.1 or pUC	1134
CCDC114	CSB-CL856980HU1	BC117433	93233	pENTR223.1	1392
CCDC114	CSB-CL856980HU2	BC117431	93233	pENTR223.1 or pUC	1392
CCDC115	CSB-CL853473HU	BC006429	84317	pENTR223.1 or pUC	399
CCDC116	CSB-CL812904HU	BC033499	164592	pENTR223.1 or pUC	1842
CCDC12	CSB-CL819887HU	BC020830	151903	pENTR223.1 or pUC	501
CCDC121	CSB-CL747807HU	BC066936	79635	pENTR223.1 or pUC	837
CCDC124	CSB-CL842651HU	BC013949	115098	pENTR223.1 or pUC	672
CCDC126	CSB-CL850284HU	BC012427	90693	pENTR223.1 or pUC	342
CCDC127	CSB-CL842643HU	BC015349	133957	pENTR223.1 or pUC	783
CCDC130	CSB-CL004650HU	BC002905	81576	pENTR223.1 or pUC	1191
CCDC132	CSB-CL856958HU	BC017888	55610	pENTR223.1 or pUC	984
CCDC134	CSB-CL863989HU	BC017693	79879	pENTR223.1 or pUC	690
CCDC135	CSB-CL809014HU	BC036667	84229	pENTR223.1	2625



Name	Code	Accession No.	Gene ID	Vector	Length
CCDC136	CSB-CL822237HU	BC109220	64753	pENTR223.1 or pUC	2115
CCDC14	CSB-CL672101HU	BC040285	64770	pENTR223.1 or pUC	2262
CCDC140	CSB-CL822261HU	BC109388	151278	pENTR223.1 or pUC	492
CCDC146	CSB-CL816912HU	BC029458	57639	pENTR223.1 or pUC	897
CCDC148	CSB-CL818783HU1	BC015395	130940	pENTR223.1 or pUC	768
CCDC148	CSB-CL818783HU2	BC107596	130940	pENTR223.1 or pUC	1320
CCDC150	CSB-CL836720HU	BC062449	284992	pENTR223.1 or pUC	738
CCDC151	CSB-CL004670HU1	BC014252	115948	pENTR223.1 or pUC	1215
CCDC151	CSB-CL004670HU2	BC141828	115948	pENTR223.1 or pUC	1788
CCDC155	CSB-CL818716HU	BC029811	147872	pENTR223.1 or pUC	1689
CCDC17	CSB-CL850388HU1	BC029888	149483	pENTR223.1 or pUC	1332
CCDC17	CSB-CL850388HU2	BC128177	149483	pENTR223.1 or pUC	1332
CCDC23	CSB-CL836653HU	BC029427	374969	pENTR223.1 or pUC	201
CCDC24	CSB-CL836665HU	BC033868	149473	pENTR223.1 or pUC	924
CCDC25	CSB-CL768225HU1	BC065295	55246	pENTR223.1 or pUC	627
CCDC25	CSB-CL768225HU2	BC032588	55246	pENTR223.1 or pUC	423
CCDC26	CSB-CL823440HU1	BC026098	137196	pENTR223.1 or pUC	330
CCDC26	CSB-CL823440HU2	BC070152	137196	pENTR223.1 or pUC	330
CCDC28A	CSB-CL814216HU1	BC013019	25901	pENTR223.1 or pUC	393
CCDC28A	CSB-CL814216HU2	BC000758	25901	pENTR223.1 or pUC	489
CCDC28B	CSB-CL866287HU1	BC022848	79140	pENTR223.1 or pUC	603
CCDC28B	CSB-CL866287HU2	BC002462	79140	pENTR223.1 or pUC	726
CCDC33	CSB-CL822708HU	BC025689	80125	pENTR223.1 or pUC	1026
CCDC34	CSB-CL850308HU	BC008496	91057	pENTR223.1 or pUC	690
CCDC36	CSB-CL816910HU	BC036202	339834	pENTR223.1 or pUC	1755
CCDC37	CSB-CL669847HU	BC101366	348807	pENTR223.1 or pUC	1839
CCDC41	CSB-CL896730HU	BC125087	51134	pENTR223.1	1707



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CCDC42	CSB-CL842714HU	BC029224	146849	pENTR223.1 or pUC	729
CCDC43	CSB-CL856988HU	BC047776	124808	pENTR223.1 or pUC	684
CCDC47	CSB-CL822173HU	BC008905	57003	pUC	1452
CCDC50	CSB-CL812874HU	BC065004	152137	pENTR223.1 or pUC	921
CCDC51	CSB-CL822206HU1	BC011993	79714	pENTR223.1 or pUC	1143
CCDC51	CSB-CL822206HU2	BC004341	79714	pENTR223.1 or pUC	909
CCDC53	CSB-CL896504HU	BC010889	51019	pENTR223.1 or pUC	585
CCDC54	CSB-CL854110HU	BC030780	84692	pENTR223.1 or pUC	987
CCDC56	CSB-CL896698HU	BC002698	28958	pENTR223.1 or pUC	321
CCDC57	CSB-CL652685HU	BC040264	284001	pENTR223.1 or pUC	2256
CCDC59	CSB-CL882165HU	BC020647	29080	pENTR223.1 or pUC	726
CCDC60	CSB-CL818242HU	BC040553	160777	pENTR223.1 or pUC	1653
CCDC66	CSB-CL004728HU	BC132827	285331	pENTR223.1 or pUC	2850
CCDC67	CSB-CL004729HU1	BC031247	159989	pENTR223.1 or pUC	1023
CCDC67	CSB-CL004729HU2	BC050325	159989	pENTR223.1 or pUC	1071
CCDC68	CSB-CL880954HU	BC029508	80323	pENTR223.1 or pUC	1008
CCDC69	CSB-CL004731HU	BC016647	26112	pENTR223.1 or pUC	609
CCDC7	CSB-CL839370HU	BC022020	221016	pENTR223.1 or pUC	1461
CCDC70	CSB-CL750735HU1	BC069691	83446	pENTR223.1 or pUC	702
CCDC70	CSB-CL750735HU2	BC069748	83446	pENTR223.1 or pUC	702
CCDC71	CSB-CL810270HU	BC035516	64925	pENTR223.1 or pUC	1404
CCDC74A	CSB-CL836182HU2	BC063387	90557	pENTR223.1 or pUC	939
CCDC75	CSB-CL854074HU	BC071798	253635	pENTR223.1 or pUC	471
CCDC78	CSB-CL004742HU	BC027941	124093	pENTR223.1 or pUC	774
CCDC79	CSB-CL822742HU	BC126109	283847	pENTR223.1 or pUC	1653
CCDC82	CSB-CL847633HU	BC018663	79780	pENTR223.1 or pUC	1035
CCDC84	CSB-CL771438HU	BC126469	338657	pENTR223.1 or pUC	999



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CCDC86	CSB-CL862027HU	BC001378	79080	pENTR223.1 or pUC	1083
CCDC87	CSB-CL878896HU	BC034469	55231	pENTR223.1 or pUC	2550
CCDC89	CSB-CL818737HU	BC044814	220388	pENTR223.1 or pUC	1125
CCDC90B	CSB-CL875634HU1	BC014573	60492	pENTR223.1 or pUC	765
CCDC90B	CSB-CL875634HU2	BC020783	60492	pENTR223.1 or pUC	765
CCDC91	CSB-CL801816HU	BC028682	55297	pENTR223.1 or pUC	1236
CCDC93	CSB-CL684945HU	BC005078	54520	pENTR223.1 or pUC	105
CCDC94	CSB-CL866295HU	BC000561	55702	pENTR223.1 or pUC	972
CCDC96	CSB-CL646658HU	BC112274	257236	pENTR223.1 or pUC	1668
CCDC97	CSB-CL836209HU	BC011577	90324	pENTR223.1 or pUC	1032
CCDC99	CSB-CL842662HU	BC012568	54908	pENTR223.1 or pUC	1818
CCHCR1	CSB-CL004769HU	BC110534	54535	pENTR223.1 or pUC	2241
CCK	CSB-CL004771HU	BC008283	885	pENTR223.1 or pUC	348
CCKBR	CSB-CL004773HU	BC000740	887	pENTR223.1 or pUC	1344
CCL11	CSB-CL004775HU	BC017850	6356	pUC	294
CCL13	CSB-CL858719HU	BC008621	6357	pENTR223.1	297
CCL14	CSB-CL613691HU	BC038289	6358	pENTR223.1	282
CCL16	CSB-CL004779HU	BC099662	6360	pENTR223.1	363
CCL18	CSB-CL004781HU	BC069700	6362	pENTR223.1 or pUC	270
CCL19	CSB-CL859522HU	BC027968	6363	pENTR223.1	297
CCL2	CSB-CL004783HU	BC009716	6347	pENTR223.1	300
CCL20	CSB-CL004784HU	BC020698	6364	pENTR223.1	288
CCL21	CSB-CL004785HU	BC027918	6366	pENTR223.1 or pUC	405
CCL22	CSB-CL004786HU	BC027952	6367	pENTR223.1	282
CCL24	CSB-CL004788HU	BC069391	6369	pENTR223.1 or pUC	360
CCL25	CSB-CL004789HU	BC130561	6370	pENTR223.1	453
CCL28	CSB-CL868302HU	BC069532	56477	pENTR223.1	384



Name	Code	Accession No.	Gene ID	Vector	Length
CCL4	CSB-CL004797HU	BC104226	6351	pENTR223.1	279
CCL5	CSB-CL004800HU	BC008600	6352	pENTR223.1	276
CCL7	CSB-CL004801HU	BC112258	6354	pENTR223.1	300
CCL8	CSB-CL004802HU	BC126242	6355	pENTR223.1	300
CCM2	CSB-CL866275HU1	BC004903	83605	pENTR223.1 or pUC	1335
CCM2	CSB-CL866275HU2	BC063663	83605	pENTR223.1 or pUC	216
CCNB1IP1	CSB-CL878840HU	BC000369	57820	pENTR223.1 or pUC	834
CCNC	CSB-CL004810HU1	BC056153	892	pENTR223.1	852
CCNC	CSB-CL004810HU2	BC010135	892	pENTR223.1	852
CCND1	CSB-CL004811HU1	BC023620	595	pENTR223.1 or pUC	888
CCND2	CSB-CL004812HU	BC010958	894	pENTR223.1 or pUC	870
CCNDBP1	CSB-CL004816HU	BC009689	23582	pENTR223.1 or pUC	1083
CCNE2	CSB-CL004818HU1	BC007015	9134	pENTR223.1 or pUC	891
CCNE2	CSB-CL004818HU2	BC020729	9134	pENTR223.1 or pUC	1125
CCNG1	CSB-CL004820HU1	BC000196	900	pENTR223.1 or pUC	888
CCNG1	CSB-CL004820HU2	BC007093	900	pENTR223.1 or pUC	888
CCNG2	CSB-CL621960HU	BC032518	901	pENTR223.1 or pUC	1035
CCNH	CSB-CL004822HU1	BC016705	902	pENTR223.1 or pUC	972
CCNH	CSB-CL004822HU2	BC005280	902	pENTR223.1 or pUC	972
CCNH	CSB-CL004822HU3	BC022351	902	pENTR223.1 or pUC	972
CCNI	CSB-CL623898HU	BC000420	10983	pENTR223.1 or pUC	1134
CCNJ	CSB-CL713125HU	BC043175	54619	pENTR223.1 or pUC	1119
CCNJL	CSB-CL815550HU1	BC013353	79616	pENTR223.1 or pUC	366
CCNK	CSB-CL004828HU	BC015935	8812	pENTR223.1 or pUC	1065
CCNL1	CSB-CL892449HU	BC038394	57018	pENTR223.1 or pUC	519
CCPG1	CSB-CL892145HU	BC034914	9236	pENTR223.1 or pUC	1842
CCR1	CSB-CL004839HU	BC051306	1230	pENTR223.1	1068



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CCR4	CSB-CL004843HU	BC071751	1233	pENTR223.1 or pUC	1083
CCR6	CSB-CL004845HU	BC037960	1235	pENTR223.1 or pUC	1125
CCR9	CSB-CL004848HU	BC069678	10803	pENTR223.1	1110
CCRL2	CSB-CL004852HU1	BC071682	9034	pENTR223.1	1035
CCRL2	CSB-CL004852HU2	BC096075	9034	pENTR223.1 or pUC	1035
CCT2	CSB-CL004856HU1	BC113516	10576	pENTR223.1 or pUC	1608
CCT3	CSB-CL004857HU	BC008019	7203	pENTR223.1 or pUC	1635
CCT4	CSB-CL004859HU	BC106934	10575	pENTR223.1 or pUC	1620
CCT5	CSB-CL004862HU	BC006543	22948	pENTR223.1 or pUC	1626
CCT6A	CSB-CL004865HU	BC106942	908	pENTR223.1 or pUC	1596
CCT6B	CSB-CL846076HU	BC026125	10693	pENTR223.1 or pUC	1593
CCT7	CSB-CL859112HU	BC019296	10574	pENTR223.1	1632
CCT8	CSB-CL004873HU	BC072001	10694	pENTR223.1 or pUC	1647
CCT8L2	CSB-CL850430HU1	BC033797	150160	pENTR223.1 or pUC	1674
CCT8L2	CSB-CL850430HU2	BC100811	150160	pENTR223.1 or pUC	1674
CD14	CSB-CL004879HU	BC010507	929	pENTR223.1	1128
CD151	CSB-CL004880HU	BC001374	977	pENTR223.1	762
CD160	CSB-CL004881HU	BC014465	11126	pENTR223.1 or pUC	546
CD177	CSB-CL850816HU	BC029167	57126	pENTR223.1	1314
CD19	CSB-CL004888HU	BC006338	930	pENTR223.1 or pUC	1671
CD1A	CSB-CL004889HU	BC031645	909	pENTR223.1 or pUC	936
CD1B	CSB-CL004890HU	BC069481	910	pENTR223.1 or pUC	1002
CD1D	CSB-CL004892HU	BC027926	912	pENTR223.1	1008
CD2	CSB-CL004894HU	BC033583	914	pENTR223.1 or pUC	1056
CD200	CSB-CL004895HU	BC022522	4345	pENTR223.1 or pUC	810
CD200R1	CSB-CL851547HU	BC069661	131450	pENTR223.1	1047
CD207	CSB-CL892321HU	BC022278	50489	pENTR223.1 or pUC	987



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CD209	CSB-CL873604HU	BC110615	30835	pENTR223.1 or pUC	1143
CD244	CSB-CL861192HU	BC028073	51744	pENTR223.1	1098
CD247	CSB-CL004904HU	BC025703	919	pENTR223.1	495
CD27	CSB-CL004910HU	BC012160	939	pENTR223.1	783
CD274	CSB-CL878942HU	BC113734	29126	pENTR223.1	873
CD2BP2	CSB-CL004915HU	BC000495	10421	pENTR223.1 or pUC	1026
CD300A	CSB-CL887023HU	BC032352	11314	pENTR223.1 or pUC	900
CD300E	CSB-CL673210HU	BC100890	342510	pENTR223.1 or pUC	618
CD300LB	CSB-CL004919HU	BC028091	124599	pENTR223.1 or pUC	717
CD300LG	CSB-CL751016HU	BC025395	146894	pENTR223.1 or pUC	999
CD302	CSB-CL818249HU	BC020646	9936	pENTR223.1 or pUC	513
CD33	CSB-CL004925HU	BC028152	945	pENTR223.1 or pUC	1095
CD34	CSB-CL004926HU	BC039146	947	pENTR223.1 or pUC	1122
CD37	CSB-CL004928HU	BC106752	951	pENTR223.1	846
CD38	CSB-CL004929HU	BC007964	952	pENTR223.1 or pUC	903
CD3D	CSB-CL004930HU	BC070321	915	pENTR223.1 or pUC	516
CD3E	CSB-CL004931HU	BC049847	916	pENTR223.1	624
CD3G	CSB-CL004933HU	BC113830	917	pENTR223.1	549
CD4	CSB-CL004935HU	BC025782	920	pUC	1377
CD40	CSB-CL004936HU	BC012419	958	pENTR223.1	834
CD40LG	CSB-CL004937HU	BC071754	959	pENTR223.1 or pUC	786
CD44	CSB-CL004938HU	BC004372	960	pENTR223.1	2100
CD46	CSB-CL004939HU	BC030594	4179	pENTR223.1	1155
CD48	CSB-CL004941HU1	BC016182	962	pENTR223.1 or pUC	732
CD48	CSB-CL004941HU2	BC030224	962	pENTR223.1 or pUC	510
CD52	CSB-CL004943HU	BC000644	1043	pENTR223.1 or pUC	186
CD55	CSB-CL004945HU	BC001288	1604	pENTR223.1	1146



Name	Code	Accession No.	Gene ID	Vector	Length
CD58	CSB-CL004946HU	BC005930	965	pENTR223.1 or pUC	723
CD59	CSB-CL004947HU	BC001506	966	pENTR223.1 or pUC	387
CD5L	CSB-CL004948HU	BC033586	922	pENTR223.1 or pUC	1044
CD68	CSB-CL004951HU	BC015557	968	pENTR223.1 or pUC	1065
CD7	CSB-CL004953HU	BC009293	924	pENTR223.1 or pUC	723
CD70	CSB-CL004954HU	BC000725	970	pENTR223.1 or pUC	582
CD72	CSB-CL004955HU	BC030227	971	pENTR223.1 or pUC	1080
CD74	CSB-CL004956HU	BC018726	972	pENTR223.1	699
CD79B	CSB-CL004958HU1	BC030210	974	pENTR223.1 or pUC	240
CD79B	CSB-CL004958HU2	BC002975	974	pENTR223.1	690
CD81	CSB-CL004960HU	BC002978	975	pUC	711
CD82	CSB-CL004961HU	BC000726	3732	pENTR223.1 or pUC	804
CD83	CSB-CL004962HU	BC030830	9308	pENTR223.1	618
CD86	CSB-CL004965HU	BC040261	942	pENTR223.1 or pUC	990
CD8B	CSB-CL004967HU	BC100913	926	pENTR223.1 or pUC	732
CD9	CSB-CL004969HU	BC011988	928	pENTR223.1 or pUC	687
CD96	CSB-CL004971HU	BC020749	10225	pENTR223.1	1209
CD99	CSB-CL004973HU1	BC002584	4267	pENTR223.1 or pUC	558
CD99L2	CSB-CL840569HU1	BC025729	83692	pENTR223.1 or pUC	438
CD99L2	CSB-CL840569HU2	BC030536	83692	pENTR223.1 or pUC	789
CDA	CSB-CL004976HU	BC054036	978	pENTR223.1 or pUC	441
CDADC1	CSB-CL874826HU1	BC009562	81602	pENTR223.1 or pUC	300
CDC16	CSB-CL618753HU1	BC010875	8881	pENTR223.1 or pUC	1581
CDC16	CSB-CL618753HU2	BC017244	8881	pENTR223.1 or pUC	1863
CDC20	CSB-CL623655HU1	BC010044	991	pENTR223.1	1500
CDC20	CSB-CL623655HU2	BC000624	991	pENTR223.1	1500
CDC20	CSB-CL623655HU3	BC001088	991	pENTR223.1 or pUC	1500



Name	Code	Accession No.	Gene ID	Vector	Length
CDC23	CSB-CL891530HU	BC017713	8697	pENTR223.1 or pUC	1776
CDC25A	CSB-CL004994HU	BC007401	993	pENTR223.1	1575
CDC25C	CSB-CL004996HU	BC019089	995	pENTR223.1 or pUC	1422
CDC26	CSB-CL822822HU	BC066300	246184	pENTR223.1 or pUC	258
CDC27	CSB-CL004999HU	BC011656	996	pENTR223.1 or pUC	2493
CDC34	CSB-CL005004HU	BC009850	997	pENTR223.1 or pUC	711
CDC37L1	CSB-CL759170HU	BC014133	55664	pENTR223.1 or pUC	1014
CDC42	CSB-CL005008HU	BC002711	998	pENTR223.1 or pUC	576
CDC42EP2	CSB-CL005013HU	BC022337	10435	pENTR223.1 or pUC	633
CDC42EP3	CSB-CL890918HU	BC019270	10602	pENTR223.1 or pUC	765
CDC42EP4	CSB-CL875666HU1	BC010451	23580	pENTR223.1 or pUC	1071
CDC42EP4	CSB-CL875666HU2	BC002774	23580	pENTR223.1 or pUC	1071
CDC42SE1	CSB-CL868304HU	BC012796	56882	pENTR223.1 or pUC	240
CDC42SE2	CSB-CL882090HU	BC096703	56990	pENTR223.1 or pUC	255
CDC5L	CSB-CL858712HU	BC001568	988	pENTR223.1 or pUC	2409
CDC7	CSB-CL005023HU	BC110527	8317	pENTR223.1	1725
CDC73	CSB-CL750783HU1	BC014351	79577	pENTR223.1	1068
CDC73	CSB-CL750783HU2	BC065037	79577	pENTR223.1	1596
CDCA3	CSB-CL857454HU	BC002551	83461	pENTR223.1 or pUC	807
CDCA4	CSB-CL874832HU1	BC011736	55038	pENTR223.1 or pUC	726
CDCA4	CSB-CL874832HU2	BC025263	55038	pENTR223.1 or pUC	726
CDCA5	CSB-CL822211HU	BC011000	113130	pENTR223.1 or pUC	759
CDCA7	CSB-CL874825HU	BC027966	83879	pENTR223.1	1116
CDCA7L	CSB-CL850301HU1	BC009352	55536	pENTR223.1 or pUC	1365
CDCA7L	CSB-CL850301HU2	BC025242	55536	pENTR223.1 or pUC	1362
CDCA8	CSB-CL700653HU1	BC016944	55143	pENTR223.1 or pUC	843
CDCA8	CSB-CL700653HU2	BC000703	55143	pENTR223.1 or pUC	843



Name	Code	Accession No.	Gene ID	Vector	Length
CDCP1	CSB-CL884474HU	BC021099	64866	pENTR223.1 or pUC	1032
CDH11	CSB-CL005036HU	BC013609	1009	pENTR223.1 or pUC	2391
CDH13	CSB-CL005039HU	BC028624	1012	pENTR223.1 or pUC	2142
CDH16	CSB-CL005041HU	BC027912	1014	pENTR223.1 or pUC	2490
CDH17	CSB-CL613267HU	BC113464	1015	pENTR223.1 or pUC	2499
CDH18	CSB-CL615709HU	BC031051	1016	pENTR223.1 or pUC	2373
CDH19	CSB-CL887951HU	BC015877	28513	pENTR223.1 or pUC	1173
CDH23	CSB-CL872438HU2	BC139903	64072	pENTR223.1 or pUC	1221
CDH23	CSB-CL872438HU1	BC032581	64072	pENTR223.1	3186
CDH26	CSB-CL818250HU	BC062570	60437	pENTR223.1 or pUC	375
CDH3	CSB-CL005052HU1	BC041846	1001	pUC	2490
CDH6	CSB-CL005055HU	BC000019	1004	pENTR223.1 or pUC	1992
CDH8	CSB-CL005057HU	BC113416	1006	pENTR223.1 or pUC	2400
CDIPT	CSB-CL005059HU	BC001444	10423	pENTR223.1 or pUC	642
CDK10	CSB-CL005060HU1	BC017342	8558	pENTR223.1 or pUC	852
CDK2	CSB-CL005061HU	BC003065	1017	pENTR223.1 or pUC	897
CDK2AP1	CSB-CL005062HU	BC034717	8099	pENTR223.1 or pUC	348
CDK2AP2	CSB-CL005063HU	BC002850	10263	pENTR223.1 or pUC	381
CDK4	CSB-CL005065HU	BC003644	1019	pENTR223.1	912
CDK5	CSB-CL005067HU	BC005115	1020	pENTR223.1 or pUC	879
CDK5R1	CSB-CL624014HU1	BC026347	8851	pENTR223.1	924
CDK5R1	CSB-CL624014HU2	BC020580	8851	pENTR223.1	924
CDK5R1	CSB-CL624014HU3	BC030792	8851	pENTR223.1	924
CDK5RAP1	CSB-CL822305HU1	BC001215	51654	pENTR223.1 or pUC	1533
CDK5RAP1	CSB-CL822305HU2	BC050706	51654	pENTR223.1 or pUC	1764
CDK5RAP3	CSB-CL842691HU	BC009957	80279	pENTR223.1 or pUC	1521
CDK7	CSB-CL005075HU1	BC000834	1022	pENTR223.1	1041



Name	Code	Accession No.	Gene ID	Vector	Length
CDK7	CSB-CL005075HU2	BC005298	1022	pENTR223.1 or pUC	1041
CDK9	CSB-CL005079HU	BC001968	1025	pENTR223.1 or pUC	1119
CDKAL1	CSB-CL716574HU1	BC064145	54901	pENTR223.1 or pUC	294
CDKAL1	CSB-CL716574HU2	BC121020	54901	pENTR223.1 or pUC	1740
CDKL3	CSB-CL005083HU	BC041799	51265	pENTR223.1 or pUC	1779
CDKN1A	CSB-CL005086HU1	BC000275	1026	pENTR223.1 or pUC	495
CDKN1A	CSB-CL005086HU2	BC001935	1026	pENTR223.1 or pUC	495
CDKN1B	CSB-CL005087HU	BC001971	1027	pENTR223.1	597
CDKN2AIP	CSB-CL878916HU	BC022270	55602	pENTR223.1 or pUC	1740
CDKN2AIPNL	CSB-CL856948HU1	BC008293	91368	pENTR223.1 or pUC	351
CDKN2AIPNL	CSB-CL856948HU2	BC018086	91368	pENTR223.1 or pUC	258
CDKN2B	CSB-CL005092HU	BC014469	1030	pENTR223.1 or pUC	417
CDKN2C	CSB-CL005094HU	BC000598	1031	pENTR223.1 or pUC	507
CDKN2D	CSB-CL005095HU	BC001822	1032	pENTR223.1	501
CDKN3	CSB-CL005096HU	BC064965	1033	pENTR223.1 or pUC	519
CDO1	CSB-CL621975HU	BC024241	1036	pENTR223.1 or pUC	603
CDR2	CSB-CL005103HU	BC017503	1039	pENTR223.1 or pUC	1332
CDRT4	CSB-CL818740HU	BC029542	284040	pENTR223.1 or pUC	444
CDSN	CSB-CL005124HU	BC031993	1041	pENTR223.1 or pUC	1587
CDX1	CSB-CL005127HU	BC096252	1044	pENTR223.1 or pUC	465
CDX4	CSB-CL005129HU	BC128233	1046	pENTR223.1	855
CDYL2	CSB-CL843294HU	BC069440	124359	pENTR223.1 or pUC	1521
CEACAM1	CSB-CL005157HU	BC014473	634	pENTR223.1 or pUC	1407
CEACAM21	CSB-CL005162HU1	BC012001	90273	pENTR223.1 or pUC	576
CEACAM21	CSB-CL005162HU2	BC106727	90273	pENTR223.1 or pUC	882
CEACAM3	CSB-CL005163HU	BC106728	1084	pENTR223.1 or pUC	759
CEACAM7	CSB-CL005167HU	BC121132	1087	pENTR223.1 or pUC	798



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CEACAM8	CSB-CL005168HU	BC026263	1088	pENTR223.1 or pUC	1050
CEBPE	CSB-CL618016HU	BC035797	1053	pENTR223.1 or pUC	846
CEBPG	CSB-CL005184HU	BC007582	1054	pENTR223.1 or pUC	453
CENPA	CSB-CL005205HU2	BC002703	1058	pENTR223.1	423
CENPH	CSB-CL005211HU	BC012024	64946	pENTR223.1 or pUC	744
CENPK	CSB-CL005214HU	BC005400	64105	pENTR223.1 or pUC	810
CENPN	CSB-CL005217HU	BC008972	55839	pENTR223.1 or pUC	1018
CENPO	CSB-CL005218HU	BC002870	79172	pENTR223.1 or pUC	903
CENPP	CSB-CL005219HU	BC071726	401541	pENTR223.1 or pUC	867
CENPQ	CSB-CL005220HU	BC016279	55166	pENTR223.1 or pUC	417
CEP120	CSB-CL836696HU	BC040527	153241	pENTR223.1 or pUC	1143
CEP290	CSB-CL005241HU	BC008641	80184	pENTR223.1	495
CEP55	CSB-CL709600HU	BC008947	55165	pENTR223.1	1395
CEP57	CSB-CL769805HU	BC039711	9702	pENTR223.1 or pUC	813
CEP63	CSB-CL839376HU	BC014050	80254	pENTR223.1 or pUC	1488
CEP68	CSB-CL765741HU	BC002982	23177	pENTR223.1 or pUC	1863
CEP70	CSB-CL836778HU1	BC016050	80321	pENTR223.1	639
CEP70	CSB-CL836778HU2	BC030598	80321	pENTR223.1	1794
CEP72	CSB-CL889176HU1	BC000132	55722	pENTR223.1	1944
CEP76	CSB-CL855035HU	BC026307	79959	pENTR223.1 or pUC	1980
CER1	CSB-CL005254HU1	BC069491	9350	pENTR223.1 or pUC	804
CER1	CSB-CL005254HU2	BC069503	9350	pENTR223.1 or pUC	798
CER1	CSB-CL005254HU3	BC069405	9350	pENTR223.1 or pUC	804
CERCAM	CSB-CL719403HU1	BC011811	51148	pENTR223.1 or pUC	471
CERK	CSB-CL005256HU1	BC004278	64781	pENTR223.1 or pUC	606
CES1	CSB-CL005258HU	BC012418	1066	pENTR223.1 or pUC	1701
CETN1	CSB-CL613263HU	BC029515	1068	pENTR223.1 or pUC	519



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CETN2	CSB-CL005265HU	BC005334	1069	pENTR223.1 or pUC	519
CETN3	CSB-CL005266HU	BC005383	1070	pENTR223.1 or pUC	504
CETP	CSB-CL005267HU	BC025739	1071	pENTR223.1	1482
CFB	CSB-CL005268HU	BC004143	629	pENTR223.1	2295
CFDP1	CSB-CL005272HU	BC000991	10428	pENTR223.1 or pUC	900
CFH	CSB-CL005273HU	BC037285	3075	pENTR223.1 or pUC	1350
CFHR2	CSB-CL005275HU	BC022283	3080	pENTR223.1	813
CFHR5	CSB-CL883624HU	BC111773	81494	pENTR223.1	1710
CFI	CSB-CL005279HU	BC020718	3426	pENTR223.1 or pUC	1134
CFL1	CSB-CL005280HU1	BC011005	1072	pENTR223.1	501
CFL1	CSB-CL005280HU2	BC018256	1072	pENTR223.1 or pUC	501
CFLAR	CSB-CL005282HU	BC001602	8837	pENTR223.1 or pUC	1443
CFP	CSB-CL005291HU	BC015756	5199	pENTR223.1	1410
CGA	CSB-CL005293HU1	BC010957	1081	pENTR223.1	351
CGA	CSB-CL005293HU2	BC020782	1081	pENTR223.1	351
CGB	CSB-CL005294HU	BC022796	1082	pENTR223.1	498
CGGBP1	CSB-CL890676HU	BC052980	8545	pENTR223.1 or pUC	504
CGREF1	CSB-CL858721HU	BC034764	10669	pENTR223.1 or pUC	906
CH25H	CSB-CL005307HU1	BC017843	9023	pENTR223.1 or pUC	819
CH25H	CSB-CL005307HU2	BC072430	9023	pENTR223.1 or pUC	819
CHAC1	CSB-CL883606HU	BC001683	79094	pENTR223.1 or pUC	669
CHAC2	CSB-CL845146HU1	BC019239	494143	pENTR223.1 or pUC	555
CHAC2	CSB-CL845146HU2	BC017941	494143	pENTR223.1 or pUC	555
CHAD	CSB-CL005310HU	BC036360	1101	pENTR223.1 or pUC	1080
CHAF1B	CSB-CL622638HU	BC021218	8208	pENTR223.1 or pUC	1680
CHAT	CSB-CL005314HU1	BC130617	1103	pENTR223.1 or pUC	1893
CHAT	CSB-CL005314HU2	BC130615	1103	pENTR223.1	1893



Name	Code	Accession No.	Gene ID	Vector	Length
CHCHD1	CSB-CL846591HU	BC015387	118487	pENTR223.1 or pUC	357
CHCHD2	CSB-CL897588HU1	BC003079	51142	pENTR223.1	456
CHCHD2	CSB-CL897588HU2	BC066331	51142	pENTR223.1	456
CHCHD3	CSB-CL873679HU	BC011596	54927	pENTR223.1 or pUC	684
CHCHD4	CSB-CL850802HU	BC017082	131474	pENTR223.1 or pUC	429
CHCHD7	CSB-CL866286HU	BC002546	79145	pENTR223.1	258
CHD2	CSB-CL005327HU	BC007347	1106	pENTR223.1 or pUC	1506
CHD9	CSB-CL667306HU	BC033770	80205	pENTR223.1 or pUC	360
CHEK2	CSB-CL005339HU	BC004207	11200	pENTR223.1 or pUC	1632
CHGA	CSB-CL005344HU	BC001059	1113	pENTR223.1 or pUC	1374
CHI3L1	CSB-CL005346HU1	BC008568	1116	pENTR223.1 or pUC	1152
CHI3L1	CSB-CL005346HU2	BC038354	1116	pENTR223.1 or pUC	1152
CHI3L2	CSB-CL620893HU	BC011460	1117	pENTR223.1 or pUC	1173
CHIA	CSB-CL874858HU	BC036339	27159	pENTR223.1 or pUC	1107
CHIC2	CSB-CL892453HU	BC034691	26511	pENTR223.1 or pUC	498
CHID1	CSB-CL883614HU	BC000001	66005	pENTR223.1 or pUC	1182
CHIT1	CSB-CL623792HU	BC103695	1118	pENTR223.1 or pUC	1401
CHML	CSB-CL005357HU	BC117360	1122	pENTR223.1 or pUC	1971
CHMP1A	CSB-CL881032HU	BC132711	5119	pENTR223.1 or pUC	591
CHMP1B	CSB-CL748726HU	BC012733	57132	pENTR223.1 or pUC	600
CHMP2A	CSB-CL005360HU	BC002502	27243	pENTR223.1 or pUC	669
CHMP2B	CSB-CL891990HU	BC001553	25978	pENTR223.1 or pUC	642
CHMP4A	CSB-CL883630HU1	BC010893	29082	pENTR223.1 or pUC	669
CHMP4A	CSB-CL883630HU2	BC113533	29082	pENTR223.1 or pUC	798
CHMP4B	CSB-CL887976HU	BC033859	128866	pENTR223.1 or pUC	675
CHMP4C	CSB-CL853396HU	BC014321	92421	pENTR223.1 or pUC	702
CHMP5	CSB-CL878944HU1	BC007457	51510	pENTR223.1 or pUC	660



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CHMP5	CSB-CL878944HU2	BC016698	51510	pENTR223.1 or pUC	660
CHMP5	CSB-CL878944HU3	BC006974	51510	pENTR223.1 or pUC	660
CHMP6	CSB-CL846622HU	BC010108	79643	pENTR223.1 or pUC	606
CHMP7	CSB-CL855478HU	BC019110	91782	pENTR223.1 or pUC	1362
CHN1	CSB-CL005368HU	BC011393	1123	pENTR223.1 or pUC	1380
CHORDC1	CSB-CL887031HU	BC072461	26973	pENTR223.1 or pUC	999
CHP	CSB-CL860773HU	BC008373	11261	pENTR223.1	201
CHRA1	CSB-CL873635HU	BC015891	54108	pENTR223.1 or pUC	396
CHRFAM7A	CSB-CL670962HU	BC101348	89832	pENTR223.1 or pUC	1239
CHRM2	CSB-CL005382HU	BC106742	1129	pENTR223.1 or pUC	1401
CHRM3	CSB-CL005383HU	BC121026	1131	pENTR223.1 or pUC	1773
CHRM5	CSB-CL005385HU1	BC041805	1133	pENTR223.1 or pUC	1599
CHRM5	CSB-CL005385HU2	BC068528	1133	pENTR223.1 or pUC	1599
CHRNA1	CSB-CL005386HU	BC006314	1134	pENTR223.1 or pUC	810
CHRNA3	CSB-CL005389HU2	BC006114	1136	pENTR223.1 or pUC	1470
CHRNA3	CSB-CL005389HU1	BC000513	1136	pENTR223.1 or pUC	1518
CHRNA4	CSB-CL005390HU	BC096290	1137	pENTR223.1 or pUC	1884
CHRNA6	CSB-CL620896HU	BC014456	8973	pENTR223.1 or pUC	1485
CHRNA7	CSB-CL005393HU	BC037571	1139	pENTR223.1 or pUC	966
CHRNA9	CSB-CL887022HU	BC113549	55584	pENTR223.1	1440
CHRN1	CSB-CL005395HU	BC011371	1140	pUC	1506
CHST1	CSB-CL005402HU	BC022567	8534	pENTR223.1 or pUC	1236
CHST10	CSB-CL005403HU	BC010441	9486	pENTR223.1 or pUC	1071
CHST11	CSB-CL882066HU	BC013315	50515	pENTR223.1 or pUC	1059
CHST12	CSB-CL882084HU	BC002918	55501	pENTR223.1 or pUC	1245
CHST4	CSB-CL836716HU	BC035282	10164	pENTR223.1 or pUC	1113
CHST9	CSB-CL745332HU	BC025764	83539	pENTR223.1 or pUC	1317



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CIAO1	CSB-CL005423HU	BC001395	9391	pENTR223.1 or pUC	1020
CIAPIN1	CSB-CL738750HU1	BC024196	57019	pENTR223.1 or pUC	939
CIAPIN1	CSB-CL738750HU2	BC002568	57019	pENTR223.1 or pUC	939
CIAPIN1	CSB-CL738750HU3	BC071740	57019	pENTR223.1 or pUC	939
CIB2	CSB-CL005427HU1	BC047381	10518	pENTR223.1	564
CIB2	CSB-CL005427HU2	BC033108	10518	pENTR223.1 or pUC	435
CIB3	CSB-CL850414HU1	BC069428	117286	pENTR223.1 or pUC	417
CIB3	CSB-CL850414HU2	BC112200	117286	pENTR223.1 or pUC	564
CIDEA	CSB-CL005431HU	BC031896	1149	pENTR223.1	762
CIDEB	CSB-CL887032HU	BC035970	27141	pENTR223.1	660
CIDEC	CSB-CL842636HU	BC016851	63924	pENTR223.1 or pUC	717
CINP	CSB-CL861151HU	BC000600	51550	pENTR223.1 or pUC	639
CIRBP	CSB-CL613483HU1	BC000403	1153	pENTR223.1 or pUC	519
CIRBP	CSB-CL613483HU2	BC000901	1153	pENTR223.1	519
CIRH1A	CSB-CL836174HU	BC009348	84916	pENTR223.1 or pUC	2061
CISD1	CSB-CL868365HU	BC005962	55847	pENTR223.1 or pUC	327
CISD2	CSB-CL839803HU	BC032300	493856	pENTR223.1 or pUC	408
CISH	CSB-CL885721HU	BC031590	1154	pENTR223.1 or pUC	777
CKAP2	CSB-CL840993HU1	BC010901	26586	pENTR223.1 or pUC	486
CKAP2	CSB-CL840993HU2	BC130296	26586	pENTR223.1 or pUC	2049
CKB	CSB-CL005455HU1	BC019259	1152	pENTR223.1	1146
CKLF	CSB-CL005458HU	BC004380	51192	pENTR223.1 or pUC	459
CKM	CSB-CL005459HU	BC007462	1158	pENTR223.1	1146
CKMT1A	CSB-CL005460HU	BC001926	548596	pENTR223.1 or pUC	1254
CKMT2	CSB-CL005462HU	BC029140	1160	pUC	1260
CKS1B	CSB-CL005464HU	BC007751	1163	pENTR223.1 or pUC	240
CKS2	CSB-CL005468HU	BC006458	1164	pENTR223.1 or pUC	240



Name	Code	Accession No.	Gene ID	Vector	Length
CLASP1	CSB-CL770347HU	BC032563	23332	pENTR223.1	450
CLASP2	CSB-CL005472HU	BC029035	23122	pENTR223.1 or pUC	1296
CLCN2	CSB-CL005481HU	BC021578	1181	pENTR223.1 or pUC	1164
CLCN4	CSB-CL005483HU	BC130278	1183	pENTR223.1 or pUC	2283
CLCN6	CSB-CL005485HU	BC117420	1185	pENTR223.1 or pUC	2610
CLCN7	CSB-CL005486HU	BC012737	1186	pENTR223.1 or pUC	2418
CLCNKB	CSB-CL005488HU	BC020873	1188	pENTR223.1 or pUC	1389
CLDN1	CSB-CL005490HU	BC012471	9076	pENTR223.1 or pUC	636
CLDN10	CSB-CL005491HU	BC010920	9071	pENTR223.1 or pUC	687
CLDN11	CSB-CL005492HU	BC013577	5010	pENTR223.1 or pUC	624
CLDN12	CSB-CL005493HU	BC036754	9069	pENTR223.1 or pUC	735
CLDN14	CSB-CL005494HU	BC012126	23562	pENTR223.1 or pUC	720
CLDN15	CSB-CL005495HU	BC010160	24146	pENTR223.1 or pUC	387
CLDN2	CSB-CL005500HU	BC014424	9075	pENTR223.1 or pUC	693
CLDN20	CSB-CL005501HU	BC020838	49861	pENTR223.1 or pUC	660
CLDN3	CSB-CL005505HU	BC016056	1365	pENTR223.1	663
CLDN4	CSB-CL005506HU	BC000671	1364	pENTR223.1	630
CLDN7	CSB-CL005509HU1	BC001055	1366	pENTR223.1	636
CLDN7	CSB-CL005509HU2	BC071844	1366	pENTR223.1	636
CLDN8	CSB-CL005510HU	BC020866	9073	pENTR223.1 or pUC	678
CLDND1	CSB-CL873687HU	BC001757	56650	pENTR223.1 or pUC	762
CLDND2	CSB-CL822818HU	BC029518	125875	pENTR223.1 or pUC	504
CLEC10A	CSB-CL811601HU1	BC039011	10462	pENTR223.1 or pUC	951
CLEC10A	CSB-CL811601HU2	BC027858	10462	pENTR223.1 or pUC	771
CLEC12A	CSB-CL725176HU2	BC126289	160364	pENTR223.1 or pUC	798
CLEC1A	CSB-CL843319HU	BC039072	51267	pENTR223.1 or pUC	843
CLEC2D	CSB-CL883401HU	BC019883	29121	pENTR223.1 or pUC	465



Name	Code	Accession No.	Gene ID	Vector	Length
CLEC3A	CSB-CL005530HU	BC104415	10143	pENTR223.1 or pUC	594
CLEC3B	CSB-CL005531HU	BC011024	7123	pENTR223.1 or pUC	609
CLEC4A	CSB-CL891558HU	BC117439	50856	pENTR223.1 or pUC	714
CLEC4D	CSB-CL841219HU	BC032313	338339	pUC	648
CLEC4E	CSB-CL891553HU	BC000715	26253	pENTR223.1 or pUC	660
CLEC4M	CSB-CL862003HU1	BC038851	10332	pENTR223.1 or pUC	1200
CLEC4M	CSB-CL862003HU2	BC110614	10332	pENTR223.1 or pUC	1164
CLEC7A	CSB-CL883623HU1	BC013385	64581	pENTR223.1	234
CLEC7A	CSB-CL883623HU2	BC071746	64581	pENTR223.1 or pUC	399
CLGN	CSB-CL005544HU	BC028357	1047	pENTR223.1 or pUC	1833
CLIC1	CSB-CL005545HU	BC064527	1192	pENTR223.1 or pUC	726
CLIC2	CSB-CL005547HU	BC022305	1193	pENTR223.1 or pUC	744
CLIC4	CSB-CL897583HU	BC012444	25932	pENTR223.1 or pUC	762
CLIC5	CSB-CL865188HU1	BC020923	53405	pENTR223.1 or pUC	210
CLIC5	CSB-CL865188HU2	BC035968	53405	pENTR223.1 or pUC	756
CLINT1	CSB-CL005552HU	BC004467	9685	pENTR223.1 or pUC	1878
CLIP4	CSB-CL850792HU1	BC015310	79745	pENTR223.1 or pUC	1485
CLK1	CSB-CL005557HU	BC031549	1195	pENTR223.1 or pUC	1455
CLK2	CSB-CL005558HU1	BC014067	1196	pENTR223.1 or pUC	1497
CLK2	CSB-CL005558HU2	BC053603	1196	pENTR223.1 or pUC	1500
CLK3	CSB-CL005560HU1	BC019881	1198	pENTR223.1	1473
CLK3	CSB-CL005560HU2	BC002555	1198	pENTR223.1 or pUC	1473
CLK3	CSB-CL005560HU3	BC006103	1198	pENTR223.1 or pUC	1404
CLK4	CSB-CL875708HU	BC065732	57396	pENTR223.1 or pUC	165
CLN6	CSB-CL882125HU	BC010849	54982	pENTR223.1 or pUC	936
CLN8	CSB-CL866210HU	BC007725	2055	pENTR223.1 or pUC	861
CLPB	CSB-CL884428HU1	BC006404	81570	pENTR223.1 or pUC	2124



Name	Code	Accession No.	Gene ID	Vector	Length
CLPS	CSB-CL005578HU	BC007061	1208	pENTR223.1 or pUC	339
CLPTM1	CSB-CL005580HU2	BC004865	1209	pENTR223.1 or pUC	2061
CLRN2	CSB-CL005584HU	BC127863	645104	pENTR223.1 or pUC	699
CLRN3	CSB-CL818764HU	BC029478	119467	pENTR223.1 or pUC	681
CLSTN2	CSB-CL863978HU	BC104485	64084	pENTR223.1 or pUC	2868
CLSTN3	CSB-CL871555HU1	BC039075	9746	pENTR223.1 or pUC	870
CLU	CSB-CL005595HU	BC010514	1191	pENTR223.1 or pUC	1350
CLUAP1	CSB-CL836181HU	BC017070	23059	pENTR223.1 or pUC	1206
CLUL1	CSB-CL620897HU	BC025381	27098	pENTR223.1 or pUC	1401
CLYBL	CSB-CL850772HU	BC034360	171425	pENTR223.1 or pUC	1023
CMA1	CSB-CL005599HU1	BC069370	1215	pENTR223.1 or pUC	744
CMA1	CSB-CL005599HU2	BC103975	1215	pENTR223.1 or pUC	744
CMBL	CSB-CL846604HU	BC001573	134147	pENTR223.1 or pUC	738
CMC1	CSB-CL800228HU	BC052644	152100	pENTR223.1 or pUC	321
CMIP	CSB-CL815577HU	BC038113	80790	pENTR223.1 or pUC	1863
CMKLR1	CSB-CL005614HU	BC106927	1240	pENTR223.1 or pUC	1122
CMPK1	CSB-CL005616HU	BC014961	51727	pENTR223.1 or pUC	687
CMTM2	CSB-CL844708HU	BC025354	146225	pENTR223.1 or pUC	747
CMTM5	CSB-CL842660HU	BC013109	116173	pENTR223.1 or pUC	471
CMTM6	CSB-CL889138HU1	BC002797	54918	pENTR223.1 or pUC	552
CMTM6	CSB-CL889138HU2	BC027472	54918	pENTR223.1 or pUC	207
CMTM8	CSB-CL809032HU	BC041390	152189	pENTR223.1 or pUC	522
CNBD1	CSB-CL839837HU	BC117326	168975	pENTR223.1 or pUC	1311
CNBP	CSB-CL005637HU1	BC000288	7555	pENTR223.1 or pUC	513
CNBP	CSB-CL005637HU2	BC014911	7555	pENTR223.1 or pUC	513
CNDP1	CSB-CL836242HU1	BC004271	84735	pENTR223.1 or pUC	933
CNDP1	CSB-CL836242HU2	BC117122	84735	pENTR223.1 or pUC	1527



Name	Code	Accession No.	Gene ID	Vector	Length
CNDP1	CSB-CL836242HU3	BC113512	84735	pENTR223.1 or pUC	1524
CNDP2	CSB-CL856967HU	BC001375	55748	pENTR223.1 or pUC	1428
CNFN	CSB-CL005641HU	BC101197	84518	pENTR223.1 or pUC	339
CNGA3	CSB-CL613670HU	BC096298	1261	pENTR223.1 or pUC	2085
CNGA4	CSB-CL808540HU	BC106936	1262	pENTR223.1 or pUC	1728
CNIH2	CSB-CL754273HU	BC047953	254263	pENTR223.1 or pUC	483
CNIH3	CSB-CL848394HU	BC022780	149111	pENTR223.1 or pUC	483
CNIH4	CSB-CL885782HU	BC000573	29097	pENTR223.1 or pUC	420
CNKSR3	CSB-CL757602HU	BC060761	154043	pENTR223.1	1668
CNN1	CSB-CL005655HU	BC022015	1264	pENTR223.1 or pUC	894
CNN3	CSB-CL613592HU	BC025372	1266	pENTR223.1 or pUC	990
CNNM1	CSB-CL878873HU	BC098103	26507	pENTR223.1 or pUC	1761
CNNM3	CSB-CL843333HU	BC007199	26505	pENTR223.1 or pUC	1068
CNOT10	CSB-CL884495HU1	BC002931	25904	pENTR223.1 or pUC	2235
CNOT10	CSB-CL884495HU2	BC002928	25904	pENTR223.1 or pUC	2154
CNOT2	CSB-CL865193HU	BC002597	4848	pENTR223.1 or pUC	1621
CNOT6	CSB-CL892149HU	BC027476	57472	pENTR223.1 or pUC	279
CNOT7	CSB-CL883446HU1	BC007315	29883	pENTR223.1 or pUC	741
CNOT7	CSB-CL883446HU2	BC060852	29883	pENTR223.1 or pUC	858
CNOT8	CSB-CL871398HU	BC017366	9337	pENTR223.1 or pUC	879
CNPY2	CSB-CL896486HU	BC065015	10330	pENTR223.1 or pUC	549
CNPY3	CSB-CL874802HU	BC004423	10695	pENTR223.1 or pUC	837
CNPY4	CSB-CL843134HU1	BC032339	245812	pENTR223.1 or pUC	747
CNR2	CSB-CL005679HU	BC069722	1269	pENTR223.1 or pUC	1083
CNTD1	CSB-CL839823HU	BC026187	124817	pENTR223.1 or pUC	993
CNTFR	CSB-CL005684HU	BC001492	1271	pENTR223.1 or pUC	1119
CNTROB	CSB-CL822679HU	BC021134	116840	pENTR223.1 or pUC	2712



Name	Code	Accession No.	Gene ID	Vector	Length
COASY	CSB-CL618754HU1	BC006354	80347	pENTR223.1 or pUC	678
COASY	CSB-CL618754HU2	BC020985	80347	pENTR223.1	810
COASY	CSB-CL618754HU3	BC067254	80347	pENTR223.1	1695
COBLL1	CSB-CL706643HU	BC006264	22837	pENTR223.1 or pUC	321
COG3	CSB-CL839348HU	BC038953	83548	pENTR223.1 or pUC	1335
COG4	CSB-CL881003HU1	BC013347	25839	pENTR223.1 or pUC	1602
COG4	CSB-CL881003HU2	BC006306	25839	pENTR223.1 or pUC	1602
COG7	CSB-CL005711HU	BC000549	91949	pENTR223.1 or pUC	2313
COIL	CSB-CL005713HU	BC010385	8161	pENTR223.1 or pUC	1731
COL19A1	CSB-CL614819HU	BC113362	1310	pUC	3429
COL20A1	CSB-CL873727HU1	BC019637	57642	pENTR223.1 or pUC	468
COL21A1	CSB-CL836273HU	BC126108	81578	pENTR223.1 or pUC	2874
COL2A1	CSB-CL005739HU	BC007252	1280	pUC	807
COL4A3BP	CSB-CL896912HU	BC000102	10087	pENTR223.1 or pUC	1797
COL4A6	CSB-CL619857HU	BC005305	1288	pENTR223.1 or pUC	222
COL8A1	CSB-CL005755HU	BC013581	1295	pENTR223.1 or pUC	2235
COL9A1	CSB-CL005757HU	BC015409	1297	pENTR223.1 or pUC	987
COLEC10	CSB-CL896556HU	BC103816	10584	pENTR223.1 or pUC	834
COLEC11	CSB-CL861154HU	BC000078	78989	pENTR223.1 or pUC	816
COMMD1	CSB-CL818712HU	BC022046	150684	pENTR223.1 or pUC	573
COMMD2	CSB-CL774827HU	BC046131	51122	pENTR223.1 or pUC	600
COMMD6	CSB-CL772019HU	BC117391	170622	pENTR223.1 or pUC	258
COMMD8	CSB-CL878908HU1	BC019826	54951	pENTR223.1 or pUC	552
COMMD8	CSB-CL878908HU2	BC008371	54951	pENTR223.1 or pUC	552
COMMD9	CSB-CL882164HU	BC010892	29099	pENTR223.1 or pUC	597
COMT	CSB-CL005779HU1	BC011935	1312	pENTR223.1 or pUC	816
COMT	CSB-CL005779HU2	BC000419	1312	pENTR223.1 or pUC	549



Name	Code	Accession No.	Gene ID	Vector	Length
COPB1	CSB-CL005783HU	BC037280	1315	pENTR223.1 or pUC	2862
COPE	CSB-CL005785HU	BC003155	11316	pENTR223.1	927
COPS2	CSB-CL005789HU	BC012629	9318	pENTR223.1	1332
COPS3	CSB-CL892483HU	BC001891	8533	pENTR223.1 or pUC	1272
COPS4	CSB-CL880098HU	BC004302	51138	pENTR223.1 or pUC	1221
COPS5	CSB-CL821714HU	BC001187	10987	pENTR223.1	1005
COPS6	CSB-CL745336HU	BC002520	10980	pENTR223.1 or pUC	984
COPS7A	CSB-CL880068HU	BC011789	50813	pENTR223.1 or pUC	828
COPS7B	CSB-CL872526HU	BC010739	64708	pENTR223.1 or pUC	474
COPS8	CSB-CL860346HU	BC003090	10920	pENTR223.1 or pUC	630
COPZ1	CSB-CL005797HU	BC002849	22818	pENTR223.1 or pUC	534
COQ10B	CSB-CL884490HU	BC022453	80219	pENTR223.1 or pUC	717
COQ3	CSB-CL882156HU1	BC015634	51805	pENTR223.1 or pUC	753
COQ3	CSB-CL882156HU2	BC063463	51805	pENTR223.1 or pUC	1110
COQ4	CSB-CL896885HU	BC011895	51117	pENTR223.1 or pUC	798
COQ6	CSB-CL897098HU1	BC014181	51004	pENTR223.1	1407
COQ6	CSB-CL897098HU2	BC014483	51004	pENTR223.1 or pUC	1407
COQ7	CSB-CL859111HU	BC003185	10229	pENTR223.1 or pUC	654
COQ9	CSB-CL005807HU	BC064946	57017	pENTR223.1 or pUC	957
CORO1A	CSB-CL005813HU	BC126385	11151	pENTR223.1 or pUC	1386
CORO1C	CSB-CL891968HU	BC002342	23603	pENTR223.1 or pUC	1425
CORO2A	CSB-CL856432HU1	BC011690	7464	pENTR223.1 or pUC	1578
CORO2A	CSB-CL856432HU2	BC000010	7464	pENTR223.1 or pUC	1578
CORO7	CSB-CL005819HU	BC117289	79585	pENTR223.1	2778
CORT	CSB-CL005821HU	BC119724	1325	pENTR223.1 or pUC	468
COTL1	CSB-CL622751HU1	BC010039	23406	pENTR223.1 or pUC	429
COTL1	CSB-CL622751HU2	BC042970	23406	pENTR223.1 or pUC	429



Name	Code	Accession No.	Gene ID	Vector	Length
COX10	CSB-CL621520HU	BC000060	1352	pENTR223.1	1332
COX11	CSB-CL896759HU	BC005895	1353	pENTR223.1 or pUC	831
COX16	CSB-CL885786HU	BC001702	51241	pENTR223.1 or pUC	321
COX17	CSB-CL619858HU	BC010933	10063	pENTR223.1 or pUC	192
COX19	CSB-CL677720HU	BC110420	90639	pENTR223.1 or pUC	273
COX4I1	CSB-CL005832HU1	BC008704	1327	pENTR223.1	510
COX4NB	CSB-CL005835HU	BC001472	10328	pENTR223.1 or pUC	633
COX5A	CSB-CL005836HU	BC024240	9377	pENTR223.1 or pUC	453
COX6A1	CSB-CL005847HU	BC007723	1337	pENTR223.1 or pUC	330
COX6B1	CSB-CL005850HU	BC001015	1340	pENTR223.1 or pUC	261
COX6B2	CSB-CL747714HU	BC064548	125965	pENTR223.1 or pUC	267
COX7A2	CSB-CL005861HU	BC133654	1347	pENTR223.1 or pUC	252
COX7A2L	CSB-CL005862HU1	BC007095	9167	pENTR223.1 or pUC	345
COX7A2L	CSB-CL005862HU2	BC005251	9167	pENTR223.1 or pUC	345
COX7B	CSB-CL005865HU	BC018386	1349	pENTR223.1 or pUC	243
COX7B2	CSB-CL851561HU	BC035923	170712	pENTR223.1 or pUC	243
COX7C	CSB-CL005869HU	BC001005	1350	pENTR223.1	192
COX8A	CSB-CL005871HU	BC063025	1351	pENTR223.1 or pUC	210
CPA1	CSB-CL005875HU	BC005279	1357	pENTR223.1 or pUC	1260
CPA2	CSB-CL005876HU	BC007009	1358	pENTR223.1 or pUC	1254
CPA3	CSB-CL005877HU	BC012613	1359	pENTR223.1	1254
CPA4	CSB-CL005878HU	BC052289	51200	pENTR223.1 or pUC	1266
CPA6	CSB-CL005880HU	BC033684	57094	pENTR223.1 or pUC	1314
CPB2	CSB-CL853435HU	BC007057	1361	pENTR223.1	1272
CPEB1	CSB-CL861184HU1	BC035348	64506	pENTR223.1 or pUC	1461
CPEB4	CSB-CL618177HU2	BC117150	80315	pENTR223.1 or pUC	2190
CPLX1	CSB-CL005893HU	BC002471	10815	pENTR223.1 or pUC	405



Name	Code	Accession No.	Gene ID	Vector	Length
CPLX2	CSB-CL761369HU	BC112287	10814	pENTR223.1 or pUC	405
CPLX3	CSB-CL851972HU	BC018026	594855	pENTR223.1 or pUC	477
CPLX4	CSB-CL767213HU	BC106887	339302	pENTR223.1 or pUC	483
CPM	CSB-CL005897HU	BC022276	1368	pENTR223.1 or pUC	1332
CPN1	CSB-CL005898HU	BC027897	1369	pENTR223.1 or pUC	1377
CPNE1	CSB-CL859524HU	BC001142	8904	pENTR223.1	1614
CPNE2	CSB-CL839323HU	BC053658	221184	pENTR223.1 or pUC	1647
CPNE3	CSB-CL005902HU2	BC015734	8895	pENTR223.1 or pUC	135
CPNE4	CSB-CL850253HU	BC014396	131034	pENTR223.1 or pUC	1674
CPNE5	CSB-CL872546HU	BC053872	57699	pENTR223.1 or pUC	906
CPNE6	CSB-CL005905HU	BC018046	9362	pENTR223.1 or pUC	1674
CPNE7	CSB-CL866203HU	BC035334	27132	pENTR223.1 or pUC	1677
CPNE8	CSB-CL773062HU2	BC110577	144402	pENTR223.1 or pUC	1695
CPNE9	CSB-CL812898HU	BC035735	151835	pENTR223.1 or pUC	1512
CPSF3L	CSB-CL722574HU1	BC013904	54973	pENTR223.1 or pUC	909
CPSF3L	CSB-CL722574HU2	BC008041	54973	pENTR223.1 or pUC	1170
CPSF4	CSB-CL005919HU1	BC003101	10898	pENTR223.1 or pUC	735
CPSF4	CSB-CL005919HU2	BC050738	10898	pENTR223.1 or pUC	732
CPSF6	CSB-CL621966HU1	BC005000	11052	pENTR223.1	1437
CPSF6	CSB-CL621966HU2	BC000714	11052	pENTR223.1	1767
CPT1A	CSB-CL005922HU	BC000185	1374	pENTR223.1	2271
CPT1B	CSB-CL821674HU	BC131570	1375	pENTR223.1 or pUC	1704
CPVL	CSB-CL875664HU	BC016838	54504	pENTR223.1 or pUC	1431
CPXCR1	CSB-CL822678HU	BC027614	53336	pENTR223.1 or pUC	906
CPZ	CSB-CL005931HU	BC006393	8532	pENTR223.1	1548
CRABP1	CSB-CL005935HU	BC022069	1381	pENTR223.1	414
CRABP2	CSB-CL005936HU	BC001109	1382	pENTR223.1 or pUC	417



Name	Code	Accession No.	Gene ID	Vector	Length
CRADD	CSB-CL005938HU1	BC017042	8738	pENTR223.1 or pUC	600
CRADD	CSB-CL005938HU2	BC037905	8738	pENTR223.1 or pUC	600
CRAT	CSB-CL005940HU	BC000723	1384	pENTR223.1	1635
CRB3	CSB-CL866285HU1	BC018409	92359	pENTR223.1 or pUC	372
CRB3	CSB-CL866285HU2	BC002652	92359	pENTR223.1 or pUC	372
CRBN	CSB-CL842761HU1	BC017419	51185	pENTR223.1 or pUC	1329
CRBN	CSB-CL842761HU2	BC067811	51185	pENTR223.1 or pUC	1326
CRCP	CSB-CL005945HU	BC040107	27297	pENTR223.1 or pUC	348
CRCT1	CSB-CL866223HU	BC119710	54544	pENTR223.1 or pUC	300
CREB1	CSB-CL005947HU	BC010636	1385	pENTR223.1 or pUC	1026
CREB3	CSB-CL005948HU1	BC010158	10488	pENTR223.1 or pUC	1116
CREB3	CSB-CL005948HU2	BC009402	10488	pENTR223.1 or pUC	1116
CREB3L2	CSB-CL754617HU	BC063666	64764	pENTR223.1 or pUC	744
CREB3L4	CSB-CL844735HU	BC038962	148327	pENTR223.1 or pUC	1188
CREBZF	CSB-CL005956HU	BC060807	58487	pENTR223.1 or pUC	1065
CRELD2	CSB-CL754413HU1	BC002894	79174	pENTR223.1 or pUC	966
CRELD2	CSB-CL754413HU2	BC050675	79174	pENTR223.1 or pUC	1062
CRH	CSB-CL005963HU	BC011031	1392	pENTR223.1	591
CRHBP	CSB-CL005964HU	BC018038	1393	pENTR223.1 or pUC	969
CRIP1	CSB-CL005969HU	BC002738	1396	pENTR223.1 or pUC	234
CRIPT	CSB-CL005973HU	BC006980	9419	pENTR223.1 or pUC	306
CRISP2	CSB-CL005975HU	BC022011	7180	pENTR223.1 or pUC	732
CRISP3	CSB-CL005976HU	BC069580	10321	pENTR223.1 or pUC	738
CRISPLD1	CSB-CL884457HU	BC020514	83690	pENTR223.1 or pUC	1503
CRISPLD2	CSB-CL884430HU	BC063012	83716	pENTR223.1 or pUC	1350
CRLF3	CSB-CL005984HU	BC023567	51379	pENTR223.1 or pUC	1329
CRLS1	CSB-CL890725HU	BC069010	54675	pENTR223.1 or pUC	618



Name	Code	Accession No.	Gene ID	Vector	Length
CRNN	CSB-CL005988HU	BC030807	49860	pENTR223.1 or pUC	1488
CRP	CSB-CL005991HU1	BC020766	1401	pENTR223.1 or pUC	276
CRP	CSB-CL005991HU2	BC070257	1401	pENTR223.1 or pUC	141
CRP	CSB-CL005991HU3	BC125135	1401	pENTR223.1	675
CRX	CSB-CL006004HU	BC016664	1406	pENTR223.1 or pUC	900
CRY1	CSB-CL621957HU	BC030519	1407	pENTR223.1 or pUC	1761
CRYAA	CSB-CL006007HU	BC069528	1409	pENTR223.1 or pUC	522
CRYAB	CSB-CL006008HU	BC007008	1410	pENTR223.1 or pUC	528
CRYBA1	CSB-CL006009HU	BC069537	1411	pENTR223.1 or pUC	648
CRYBA4	CSB-CL006011HU	BC069404	1413	pENTR223.1 or pUC	591
CRYBB1	CSB-CL006012HU	BC036790	1414	pENTR223.1 or pUC	759
CRYBB3	CSB-CL006015HU	BC102022	1417	pENTR223.1 or pUC	636
CRYGA	CSB-CL006017HU	BC114456	1418	pENTR223.1 or pUC	318
CRYGB	CSB-CL006018HU	BC117384	1419	pENTR223.1 or pUC	528
CRYGD	CSB-CL006020HU	BC117338	1421	pENTR223.1 or pUC	525
CRYGN	CSB-CL841000HU	BC100880	155051	pENTR223.1 or pUC	549
CRYGS	CSB-CL006025HU	BC069478	1427	pENTR223.1 or pUC	537
CRYM	CSB-CL622791HU	BC018061	1428	pENTR223.1 or pUC	945
CRYZL1	CSB-CL006029HU	BC013155	9946	pENTR223.1	342
CS	CSB-CL006031HU1	BC000105	1431	pENTR223.1 or pUC	1203
CS	CSB-CL006031HU2	BC010106	1431	pENTR223.1 or pUC	1401
CSAD	CSB-CL006032HU	BC098278	51380	pENTR223.1 or pUC	1482
CSAG1	CSB-CL757611HU	BC059947	158511	pENTR223.1 or pUC	237
CSDA	CSB-CL006037HU	BC015564	8531	pENTR223.1 or pUC	1119
CSE1L	CSB-CL006042HU	BC109313	1434	pENTR223.1 or pUC	2916
CSF1	CSB-CL006043HU1	BC021117	1435	pENTR223.1	1665
CSF2RA	CSB-CL006046HU1	BC071835	1438	pENTR223.1 or pUC	1203



Name	Code	Accession No.	Gene ID	Vector	Length
CSF2RA	CSB-CL006046HU2	BC002635	1438	pENTR223.1 or pUC	1203
CSGALNACT1	CSB-CL006051HU	BC060772	55790	pENTR223.1 or pUC	894
CSGALNACT2	CSB-CL006052HU	BC030268	55454	pENTR223.1 or pUC	1629
CSH1	CSB-CL006053HU1	BC005921	1442	pENTR223.1 or pUC	654
CSH1	CSB-CL006053HU2	BC002717	1442	pENTR223.1 or pUC	654
CSH1	CSB-CL006053HU3	BC057768	1442	pENTR223.1 or pUC	654
CSHL1	CSB-CL006055HU	BC119747	1444	pENTR223.1 or pUC	387
CSMD2	CSB-CL770346HU	BC031871	114784	pENTR223.1 or pUC	678
CSN1S1	CSB-CL006060HU	BC128227	1446	pENTR223.1 or pUC	558
CSN2	CSB-CL006063HU	BC096194	1447	pENTR223.1 or pUC	681
CSN3	CSB-CL006064HU	BC010935	1448	pENTR223.1 or pUC	549
CSNK1A1L	CSB-CL839816HU	BC028723	122011	pENTR223.1 or pUC	1014
CSNK1D	CSB-CL006067HU1	BC003558	1453	pENTR223.1 or pUC	1248
CSNK1E	CSB-CL006068HU	BC006490	1454	pENTR223.1	1251
CSNK1G1	CSB-CL888030HU1	BC017236	53944	pENTR223.1 or pUC	924
CSNK1G1	CSB-CL888030HU2	BC130613	53944	pENTR223.1 or pUC	1269
CSNK1G2	CSB-CL006070HU1	BC020972	1455	pENTR223.1 or pUC	1248
CSNK2A1	CSB-CL006072HU	BC011668	1457	pENTR223.1	1176
CSPP1	CSB-CL635936HU1	BC022867	79848	pENTR223.1 or pUC	1140
CSPP1	CSB-CL635936HU2	BC029445	79848	pENTR223.1 or pUC	627
CSRP2	CSB-CL006084HU	BC000992	1466	pENTR223.1 or pUC	582
CSRP2BP	CSB-CL880995HU1	BC009174	57325	pENTR223.1 or pUC	1965
CSRP3	CSB-CL006087HU1	BC005900	8048	pENTR223.1	585
CSRP3	CSB-CL006087HU2	BC024010	8048	pENTR223.1 or pUC	585
CST1	CSB-CL006088HU	BC021225	1469	pENTR223.1 or pUC	426
CST11	CSB-CL887950HU	BC121080	140880	pENTR223.1 or pUC	417
CST2	CSB-CL006090HU	BC062679	1470	pENTR223.1 or pUC	426



Name	Code	Accession No.	Gene ID	Vector	Length
CST4	CSB-CL006092HU	BC065714	1472	pENTR223.1 or pUC	426
CST5	CSB-CL006093HU	BC069514	1473	pENTR223.1 or pUC	429
CST6	CSB-CL623015HU	BC031334	1474	pENTR223.1 or pUC	450
CST7	CSB-CL006095HU	BC015507	8530	pENTR223.1 or pUC	504
CST8	CSB-CL006096HU1	BC069536	10047	pENTR223.1 or pUC	273
CST8	CSB-CL006096HU2	BC069496	10047	pENTR223.1 or pUC	429
CST9L	CSB-CL862015HU	BC029656	128821	pENTR223.1 or pUC	444
CSTA	CSB-CL006099HU	BC010379	1475	pENTR223.1 or pUC	297
CSTF2T	CSB-CL887946HU	BC028239	23283	pENTR223.1 or pUC	1851
CSTF3	CSB-CL618643HU	BC009792	1479	pENTR223.1 or pUC	312
CSTL1	CSB-CL006101HU	BC117396	128817	pENTR223.1 or pUC	438
CTAGE1	CSB-CL006128HU	BC031065	64693	pENTR223.1 or pUC	2238
CTAGE5	CSB-CL006131HU1	BC064355	4253	pENTR223.1	2430
CTBP1	CSB-CL618772HU2	BC053320	1487	pENTR223.1 or pUC	1290
CTBP2	CSB-CL006136HU1	BC002486	1488	pENTR223.1	1338
CTBP2	CSB-CL006136HU2	BC037900	1488	pENTR223.1 or pUC	1542
CTBS	CSB-CL006137HU1	BC024007	1486	pENTR223.1 or pUC	318
CTCF	CSB-CL006138HU	BC014267	10664	pENTR223.1 or pUC	2184
CTCFL	CSB-CL818824HU	BC130486	140690	pENTR223.1 or pUC	1992
CTDSP1	CSB-CL880927HU	BC012977	58190	pENTR223.1 or pUC	786
CTDSP2	CSB-CL006143HU	BC065920	10106	pENTR223.1 or pUC	816
CTH	CSB-CL006160HU	BC015807	1491	pENTR223.1	1218
CTHRC1	CSB-CL822189HU	BC014245	115908	pENTR223.1 or pUC	732
CTNNA1	CSB-CL006164HU	BC031262	1495	pENTR223.1 or pUC	1611
CTNNAL1	CSB-CL880067HU	BC117208	8727	pENTR223.1 or pUC	2205
CTNNBIP1	CSB-CL873645HU	BC014300	56998	pENTR223.1 or pUC	246
CTNNBL1	CSB-CL848844HU1	BC036739	56259	pENTR223.1 or pUC	936



Name	Code	Accession No.	Gene ID	Vector	Length
CTNND1	CSB-CL006172HU	BC010501	1500	pENTR223.1 or pUC	1833
CTNS	CSB-CL006174HU	BC032850	1497	pENTR223.1	1203
CTPS	CSB-CL006176HU	BC009408	1503	pENTR223.1 or pUC	1776
CTPS2	CSB-CL865117HU	BC034986	56474	pENTR223.1 or pUC	1761
CTRB1	CSB-CL324640HU	BC005385	1504	pENTR223.1 or pUC	792
CTRC	CSB-CL859526HU	BC015118	11330	pENTR223.1	807
CTRL	CSB-CL006182HU	BC063475	1506	pENTR223.1	795
CTSA	CSB-CL006184HU	BC000597	5476	pENTR223.1 or pUC	1440
CTSB	CSB-CL006185HU	BC010240	1508	pENTR223.1 or pUC	1020
CTSD	CSB-CL006187HU	BC016320	1509	pENTR223.1 or pUC	1239
CTSE	CSB-CL006188HU	BC042537	1510	pENTR223.1 or pUC	1191
CTSG	CSB-CL006190HU	BC014460	1511	pENTR223.1 or pUC	768
CTSK	CSB-CL006192HU	BC016058	1513	pENTR223.1 or pUC	990
CTSL1	CSB-CL006193HU	BC012612	1514	pENTR223.1	1002
CTSL2	CSB-CL006194HU	BC110512	1515	pENTR223.1 or pUC	1005
CTSS	CSB-CL006204HU	BC002642	1520	pENTR223.1 or pUC	996
CTSZ	CSB-CL006206HU	BC042168	1522	pENTR223.1 or pUC	912
CTTN	CSB-CL623911HU	BC008799	2017	pENTR223.1 or pUC	1542
CUEDC2	CSB-CL884464HU	BC000262	79004	pENTR223.1 or pUC	681
CUL1	CSB-CL614436HU1	BC034318	8454	pENTR223.1 or pUC	1389
CUL4A	CSB-CL619782HU	BC008308	8451	pENTR223.1 or pUC	1980
CUL4B	CSB-CL615708HU	BC036216	8450	pENTR223.1 or pUC	2742
CUL5	CSB-CL835890HU	BC063306	8065	pENTR223.1 or pUC	2343
CUTA	CSB-CL006226HU	BC005890	51596	pENTR223.1 or pUC	471
CUTC	CSB-CL873651HU1	BC015059	51076	pENTR223.1 or pUC	486
CUTC	CSB-CL873651HU2	BC021105	51076	pENTR223.1 or pUC	822
CWC15	CSB-CL889165HU	BC040946	51503	pENTR223.1 or pUC	690



Name	Code	Accession No.	Gene ID	Vector	Length
CWF19L1	CSB-CL727965HU	BC008746	55280	pENTR223.1 or pUC	1617
CX3CR1	CSB-CL006236HU	BC028078	1524	pENTR223.1 or pUC	1068
CXADR	CSB-CL006237HU	BC003684	1525	pENTR223.1 or pUC	1098
CXCL1	CSB-CL006239HU	BC011976	2919	pENTR223.1	324
CXCL10	CSB-CL006240HU	BC010954	3627	pENTR223.1	297
CXCL11	CSB-CL006241HU1	BC005292	6373	pENTR223.1	285
CXCL11	CSB-CL006241HU2	BC012532	6373	pENTR223.1	285
CXCL13	CSB-CL006243HU	BC012589	10563	pENTR223.1	330
CXCL14	CSB-CL006244HU	BC003513	9547	pENTR223.1 or pUC	336
CXCL16	CSB-CL863959HU2	BC044930	58191	pENTR223.1 or pUC	822
CXCL3	CSB-CL006249HU	BC016308	2921	pENTR223.1	324
CXCL5	CSB-CL006250HU	BC008376	6374	pENTR223.1 or pUC	345
CXCL6	CSB-CL006251HU	BC013744	6372	pENTR223.1	345
CXCR3	CSB-CL006253HU	BC034403	2833	pENTR223.1	1107
CXCR4	CSB-CL006254HU	BC020968	7852	pUC	1059
CXCR6	CSB-CL006256HU	BC033584	10663	pENTR223.1 or pUC	1029
CXCR7	CSB-CL006257HU	BC036661	57007	pENTR223.1	1089
CXorf1	CSB-CL006258HU	BC113600	9142	pENTR223.1 or pUC	336
CXorf21	CSB-CL867184HU	BC020611	80231	pENTR223.1 or pUC	906
CXorf22	CSB-CL744421HU	BC027936	170063	pENTR223.1 or pUC	2265
CXorf26	CSB-CL874817HU	BC001220	51260	pENTR223.1 or pUC	702
CXorf27	CSB-CL006268HU	BC104428	25763	pENTR223.1 or pUC	354
CXorf38	CSB-CL819449HU	BC025334	159013	pENTR223.1 or pUC	960
CXorf40A	CSB-CL837446HU	BC065539	91966	pENTR223.1 or pUC	477
CXorf40B	CSB-CL842656HU	BC009523	541578	pENTR223.1 or pUC	477
CXorf41	CSB-CL878855HU	BC033510	139212	pENTR223.1 or pUC	645
CXorf48	CSB-CL837851HU	BC020662	54967	pENTR223.1 or pUC	795



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CXorf56	CSB-CL880981HU	BC023506	63932	pENTR223.1 or pUC	669
CXorf57	CSB-CL740652HU2	BC070110	55086	pENTR223.1 or pUC	2568
CXorf58	CSB-CL856973HU	BC117344	254158	pENTR223.1 or pUC	999
CXXC1	CSB-CL868380HU2	BC014940	30827	pENTR223.1 or pUC	1971
CXXC4	CSB-CL875656HU	BC119751	80319	pENTR223.1 or pUC	597
CXXC5	CSB-CL741975HU1	BC006428	51523	pENTR223.1 or pUC	684
CYB561	CSB-CL006306HU1	BC000021	1534	pENTR223.1 or pUC	756
CYB561	CSB-CL006306HU2	BC002976	1534	pENTR223.1 or pUC	756
CYB561D2	CSB-CL006308HU	BC047691	11068	pENTR223.1 or pUC	669
CYB5A	CSB-CL006309HU	BC015182	1528	pENTR223.1	405
CYB5B	CSB-CL006310HU	BC004373	80777	pENTR223.1 or pUC	441
CYB5D2	CSB-CL840981HU	BC020263	124936	pENTR223.1 or pUC	795
CYB5R1	CSB-CL883402HU	BC018732	51706	pENTR223.1 or pUC	918
CYB5R2	CSB-CL738178HU	BC001346	51700	pENTR223.1 or pUC	714
CYB5R4	CSB-CL006321HU	BC025380	51167	pENTR223.1 or pUC	1464
CYBASC3	CSB-CL847676HU	BC014045	220002	pENTR223.1 or pUC	729
CYBRD1	CSB-CL006326HU	BC065290	79901	pENTR223.1 or pUC	861
CYCS	CSB-CL006328HU1	BC015130	54205	pENTR223.1 or pUC	318
CYCS	CSB-CL006328HU2	BC005299	54205	pENTR223.1 or pUC	318
CYGB	CSB-CL006376HU	BC029798	114757	pENTR223.1 or pUC	573
CYHR1	CSB-CL747774HU	BC005073	50626	pENTR223.1 or pUC	579
CYLC1	CSB-CL006378HU	BC126461	1538	pENTR223.1 or pUC	1956
CYLC2	CSB-CL618873HU	BC114547	1539	pENTR223.1 or pUC	1047
CYorf15B	CSB-CL863165HU	BC035312	84663	pENTR223.1 or pUC	345
CYP11A1	CSB-CL006389HU	BC032329	1583	pENTR223.1	1566
CYP11B1	CSB-CL006390HU	BC096285	1584	pENTR223.1 or pUC	1725
CYP17A1	CSB-CL006392HU1	BC063388	1586	pENTR223.1	1527



Name	Code	Accession No.	Gene ID	Vector	Length
CYP17A1	CSB-CL006392HU2	BC062997	1586	pENTR223.1 or pUC	1527
CYP19A1	CSB-CL006394HU1	BC035714	1588	pENTR223.1	657
CYP19A1	CSB-CL006394HU2	BC022896	1588	pENTR223.1 or pUC	546
CYP19A1	CSB-CL006394HU3	BC035959	1588	pENTR223.1 or pUC	1512
CYP1A1	CSB-CL006395HU	BC023019	1543	pENTR223.1 or pUC	1539
CYP20A1	CSB-CL747625HU2	BC020616	57404	pENTR223.1 or pUC	1389
CYP21A2	CSB-CL006400HU2	BC128535	1589	pENTR223.1 or pUC	432
CYP26B1	CSB-CL885700HU2	BC109205	56603	pENTR223.1 or pUC	1539
CYP2A7	CSB-CL006411HU	BC117165	1549	pENTR223.1 or pUC	1485
CYP2C18	CSB-CL006416HU	BC069666	1562	pENTR223.1 or pUC	1473
CYP2C9	CSB-CL006419HU1	BC020754	1559	pENTR223.1 or pUC	489
CYP2E1	CSB-CL006425HU	BC067435	1571	pENTR223.1	1482
CYP2F1	CSB-CL006426HU	BC109056	1572	pENTR223.1 or pUC	963
CYP2J2	CSB-CL006430HU	BC032594	1573	pENTR223.1 or pUC	1509
CYP2U1	CSB-CL768766HU	BC132767	113612	pENTR223.1 or pUC	1635
CYP2W1	CSB-CL823444HU	BC025761	54905	pENTR223.1 or pUC	1305
CYP39A1	CSB-CL882143HU	BC010358	51302	pENTR223.1 or pUC	1410
CYP3A4	CSB-CL006439HU	BC069418	1576	pENTR223.1 or pUC	1512
CYP3A43	CSB-CL862059HU	BC100981	64816	pENTR223.1 or pUC	1182
CYP3A5	CSB-CL006441HU	BC033862	1577	pENTR223.1 or pUC	1509
CYP3A7	CSB-CL006444HU	BC067436	1551	pENTR223.1 or pUC	1512
CYP4B1	CSB-CL006448HU	BC017758	1580	pENTR223.1 or pUC	1539
CYP4F11	CSB-CL872539HU	BC016853	57834	pENTR223.1 or pUC	1575
CYP4F12	CSB-CL864033HU	BC035350	66002	pENTR223.1 or pUC	1575
CYP4V2	CSB-CL765094HU	BC060857	285440	pENTR223.1 or pUC	1578
CYP4X1	CSB-CL847606HU	BC028102	260293	pENTR223.1 or pUC	1530
CYP51A1	CSB-CL614993HU	BC032322	1595	pENTR223.1 or pUC	1530



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CYR61	CSB-CL006463HU	BC001271	3491	pENTR223.1	1146
CYSLTR1	CSB-CL006465HU	BC035750	10800	pENTR223.1 or pUC	1014
CYTH3	CSB-CL006469HU1	BC008191	9265	pENTR223.1 or pUC	540
CYTH4	CSB-CL883423HU	BC017780	27128	pENTR223.1 or pUC	357
CYTIP	CSB-CL006471HU	BC036449	9595	pENTR223.1 or pUC	1080
CYTL1	CSB-CL873640HU	BC031391	54360	pENTR223.1 or pUC	411
CYYR1	CSB-CL836233HU	BC036761	116159	pENTR223.1 or pUC	465
D2HGDH	CSB-CL843153HU	BC031817	728294	pENTR223.1	663
DAAM2	CSB-CL774794HU1	BC078153	23500	pENTR223.1 or pUC	399
DAB2	CSB-CL006480HU	BC003064	1601	pENTR223.1	2313
DACH1	CSB-CL887059HU	BC021219	1602	pENTR223.1	1554
DACH2	CSB-CL839385HU	BC114950	117154	pENTR223.1 or pUC	1398
DACT2	CSB-CL725552HU	BC111790	168002	pENTR223.1 or pUC	1101
DACT3	CSB-CL856898HU	BC034052	147906	pENTR223.1 or pUC	546
DAD1	CSB-CL006487HU	BC009798	1603	pENTR223.1 or pUC	342
DALRD3	CSB-CL707703HU	BC054493	55152	pENTR223.1 or pUC	1551
DAND5	CSB-CL850835HU	BC113476	199699	pENTR223.1 or pUC	570
DAO	CSB-CL006494HU	BC029057	1610	pENTR223.1 or pUC	1044
DAOA	CSB-CL006495HU	BC121091	267012	pENTR223.1 or pUC	462
DAP	CSB-CL006496HU	BC002726	1611	pENTR223.1 or pUC	309
DAP3	CSB-CL006497HU	BC107488	7818	pENTR223.1 or pUC	1197
DAPK2	CSB-CL006500HU	BC114506	23604	pENTR223.1 or pUC	1113
DAPL1	CSB-CL006502HU	BC127682	92196	pENTR223.1 or pUC	324
DARC	CSB-CL624105HU	BC017817	2532	pENTR223.1	1011
DARS	CSB-CL006505HU	BC000629	1615	pENTR223.1 or pUC	1506
DARS2	CSB-CL747490HU	BC045173	55157	pENTR223.1 or pUC	1938
DAXX	CSB-CL871395HU	BC109074	1616	pENTR223.1 or pUC	2223



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DAZ3	CSB-CL868297HU	BC113005	57054	pENTR223.1 or pUC	1317
DAZ4	CSB-CL769764HU	BC047480	57135	pENTR223.1 or pUC	1173
DAZAP1	CSB-CL822205HU	BC012062	26528	pENTR223.1 or pUC	1224
DAZAP2	CSB-CL622986HU	BC002334	9802	pENTR223.1	507
DBC1	CSB-CL006515HU	BC021560	1620	pENTR223.1 or pUC	963
DBF4B	CSB-CL822784HU	BC016158	80174	pENTR223.1 or pUC	1296
DBH	CSB-CL006518HU	BC017174	1621	pENTR223.1	1812
DBI	CSB-CL006519HU	BC062996	1622	pENTR223.1 or pUC	315
DBN1	CSB-CL613692HU	BC000283	1627	pENTR223.1	1950
DBNDD2	CSB-CL863102HU	BC001105	55861	pENTR223.1 or pUC	486
DBNL	CSB-CL892128HU1	BC031687	28988	pENTR223.1 or pUC	1293
DBNL	CSB-CL892128HU2	BC011677	28988	pENTR223.1 or pUC	1296
DBR1	CSB-CL890914HU	BC009472	51163	pENTR223.1	1635
DCAKD	CSB-CL855481HU	BC018132	79877	pENTR223.1 or pUC	696
DCD	CSB-CL006537HU	BC062682	117159	pENTR223.1 or pUC	333
DCK	CSB-CL006547HU	BC114617	1633	pENTR223.1 or pUC	783
DCLK2	CSB-CL818706HU	BC032726	166614	pENTR223.1 or pUC	2088
DCLRE1B	CSB-CL880993HU	BC029687	64858	pENTR223.1 or pUC	1599
DCLRE1C	CSB-CL857026HU1	BC022254	64421	pENTR223.1 or pUC	1305
DCLRE1C	CSB-CL857026HU2	BC009185	64421	pENTR223.1 or pUC	1734
DCN	CSB-CL006554HU	BC005322	1634	pENTR223.1 or pUC	1080
DGP1A	CSB-CL885684HU	BC007439	55802	pENTR223.1 or pUC	1749
DGP2	CSB-CL810265HU	BC064593	167227	pENTR223.1 or pUC	1158
DCPS	CSB-CL836191HU	BC014532	28960	pENTR223.1 or pUC	1014
DCT	CSB-CL006562HU	BC028311	1638	pENTR223.1 or pUC	1560
DCTD	CSB-CL006563HU	BC001286	1635	pENTR223.1 or pUC	537
DCTN1	CSB-CL619866HU1	BC006163	1639	pENTR223.1 or pUC	597



Name	Code	Accession No.	Gene ID	Vector	Length
DCTN2	CSB-CL614427HU	BC000718	10540	pENTR223.1 or pUC	1206
DCTN3	CSB-CL006566HU	BC000319	11258	pENTR223.1 or pUC	531
DCTN4	CSB-CL892445HU	BC026323	51164	pENTR223.1 or pUC	1383
DCTN5	CSB-CL871573HU	BC004191	84516	pENTR223.1 or pUC	549
DCTN6	CSB-CL006569HU	BC013175	10671	pENTR223.1 or pUC	573
DCUN1D1	CSB-CL839329HU1	BC013163	54165	pENTR223.1 or pUC	414
DCUN1D1	CSB-CL839329HU2	BC009478	54165	pENTR223.1 or pUC	780
DCUN1D2	CSB-CL754270HU	BC056669	55208	pENTR223.1 or pUC	780
DCUN1D4	CSB-CL846079HU	BC053897	23142	pENTR223.1 or pUC	594
DCUN1D5	CSB-CL861134HU	BC004169	84259	pENTR223.1 or pUC	714
DCX	CSB-CL006576HU	BC027925	1641	pENTR223.1 or pUC	1083
DDA1	CSB-CL880116HU	BC000615	79016	pENTR223.1 or pUC	309
DDAH2	CSB-CL006580HU	BC001435	23564	pENTR223.1 or pUC	858
DDHD2	CSB-CL006586HU	BC010504	23259	pENTR223.1 or pUC	1158
DDI1	CSB-CL848814HU1	BC021172	414301	pENTR223.1 or pUC	1191
DDI1	CSB-CL848814HU2	BC022017	414301	pENTR223.1 or pUC	1191
DDI2	CSB-CL732937HU	BC006011	84301	pENTR223.1 or pUC	636
DDIT3	CSB-CL006589HU	BC003637	1649	pENTR223.1 or pUC	510
DDIT4	CSB-CL889135HU	BC007714	54541	pENTR223.1	699
DDIT4L	CSB-CL853399HU	BC013592	115265	pENTR223.1 or pUC	582
DDO	CSB-CL006593HU	BC032786	8528	pENTR223.1 or pUC	1026
DDRKG1	CSB-CL853431HU2	BC000643	65992	pENTR223.1 or pUC	945
DDX1	CSB-CL856393HU1	BC012132	1653	pENTR223.1 or pUC	2223
DDX11	CSB-CL853416HU1	BC011264	1663	pENTR223.1 or pUC	2913
DDX11	CSB-CL853416HU2	BC111733	1663	pENTR223.1 or pUC	2721
DDX19A	CSB-CL889116HU	BC005162	55308	pENTR223.1 or pUC	1437
DDX19B	CSB-CL892352HU1	BC003626	11269	pENTR223.1 or pUC	1440



Name	Code	Accession No.	Gene ID	Vector	Length
DDX19B	CSB-CL892352HU2	BC010008	11269	pENTR223.1 or pUC	1113
DDX21	CSB-CL882081HU1	BC008071	9188	pENTR223.1	2352
DDX21	CSB-CL882081HU2	BC004182	9188	pENTR223.1	2148
DDX25	CSB-CL887040HU2	BC035388	29118	pENTR223.1 or pUC	1110
DDX27	CSB-CL836220HU1	BC011927	55661	pENTR223.1 or pUC	2298
DDX31	CSB-CL872517HU	BC012726	64794	pENTR223.1 or pUC	2025
DDX3X	CSB-CL006621HU	BC011819	1654	pENTR223.1 or pUC	1989
DDX3Y	CSB-CL006622HU	BC034942	8653	pENTR223.1 or pUC	1983
DDX4	CSB-CL882074HU	BC047455	54514	pENTR223.1 or pUC	2073
DDX41	CSB-CL891940HU	BC015476	51428	pENTR223.1 or pUC	1869
DDX42	CSB-CL773053HU	BC015505	11325	pENTR223.1 or pUC	2460
DDX43	CSB-CL889143HU	BC066938	55510	pENTR223.1 or pUC	1947
DDX47	CSB-CL867123HU	BC009379	51202	pENTR223.1 or pUC	972
DDX50	CSB-CL861080HU	BC000272	79009	pENTR223.1 or pUC	2214
DDX51	CSB-CL818728HU	BC040185	317781	pENTR223.1 or pUC	2001
DDX53	CSB-CL773024HU	BC067878	168400	pENTR223.1 or pUC	1896
DDX55	CSB-CL822817HU1	BC030020	57696	pENTR223.1	1803
DDX59	CSB-CL722563HU	BC041801	83479	pENTR223.1 or pUC	1860
DDX6	CSB-CL006640HU	BC065007	1656	pENTR223.1 or pUC	1452
DDX60	CSB-CL816907HU	BC020601	55601	pENTR223.1 or pUC	552
DECR2	CSB-CL873655HU1	BC011968	26063	pENTR223.1 or pUC	735
DECR2	CSB-CL873655HU2	BC010740	26063	pENTR223.1 or pUC	879
DEDD	CSB-CL006648HU	BC013910	9191	pENTR223.1 or pUC	957
DEF6	CSB-CL884467HU	BC017504	50619	pENTR223.1	1011
DEF8	CSB-CL765060HU	BC015482	54849	pENTR223.1 or pUC	594
DEFA1	CSB-CL006652HU	BC069423	1667	pENTR223.1 or pUC	285
DEFA3	CSB-CL006655HU	BC027917	1668	pENTR223.1	285



Name	Code	Accession No.	Gene ID	Vector	Length
DEFB1	CSB-CL006662HU	BC047677	1672	pENTR223.1 or pUC	207
DEFB104A	CSB-CL840974HU	BC100848	140596	pENTR223.1 or pUC	219
DEFB106A	CSB-CL836640HU	BC100844	245909	pENTR223.1	198
DEFB118	CSB-CL842735HU	BC117378	117285	pENTR223.1 or pUC	372
DEFB119	CSB-CL818713HU	BC062212	245932	pENTR223.1 or pUC	255
DEFB121	CSB-CL692225HU	BC130607	245934	pENTR223.1 or pUC	231
DEFB125	CSB-CL843278HU	BC128195	245938	pENTR223.1 or pUC	471
DEFB127	CSB-CL887956HU1	BC069486	140850	pENTR223.1 or pUC	300
DEFB127	CSB-CL887956HU2	BC110085	140850	pENTR223.1 or pUC	300
DEFB129	CSB-CL863952HU	BC070359	140881	pENTR223.1 or pUC	552
DEFB134	CSB-CL703078HU	BC130461	613211	pENTR223.1 or pUC	201
DEGS1	CSB-CL006708HU	BC000961	8560	pENTR223.1 or pUC	972
DEM1	CSB-CL863995HU	BC021969	64789	pENTR223.1 or pUC	1122
DENND1A	CSB-CL823472HU	BC039703	57706	pENTR223.1 or pUC	1680
DENND1B	CSB-CL757568HU1	BC022561	163486	pENTR223.1 or pUC	1191
DENND1B	CSB-CL757568HU2	BC063877	163486	pENTR223.1 or pUC	1281
DENND1C	CSB-CL810272HU	BC033437	79958	pENTR223.1 or pUC	2406
DENND2C	CSB-CL724250HU	BC063894	163259	pENTR223.1 or pUC	2451
DENND2D	CSB-CL887987HU	BC004557	79961	pENTR223.1 or pUC	1416
DENND5A	CSB-CL757108HU	BC009354	23258	pENTR223.1 or pUC	2619
DENR	CSB-CL006724HU	BC007860	8562	pENTR223.1 or pUC	597
DEPDC1B	CSB-CL851968HU1	BC010904	55789	pENTR223.1 or pUC	564
DEPDC1B	CSB-CL851968HU2	BC019075	55789	pENTR223.1 or pUC	1590
DEPDC5	CSB-CL006728HU	BC057797	9681	pENTR223.1	1680
DEPDC7	CSB-CL853487HU	BC030970	91614	pENTR223.1 or pUC	1536
DERL1	CSB-CL887128HU	BC002457	79139	pENTR223.1 or pUC	756
DERL2	CSB-CL880924HU	BC010890	51009	pENTR223.1 or pUC	720



Name	Code	Accession No.	Gene ID	Vector	Length
DEXI	CSB-CL529744HU	BC001083	28955	pENTR223.1 or pUC	288
DFFA	CSB-CL006737HU	BC007721	1676	pENTR223.1 or pUC	996
DFNA5	CSB-CL006766HU1	BC019689	1687	pENTR223.1 or pUC	888
DFNA5	CSB-CL006766HU2	BC125065	1687	pENTR223.1	1491
DGAT2	CSB-CL850407HU	BC015234	84649	pENTR223.1	1167
DGCR2	CSB-CL006825HU1	BC032430	9993	pENTR223.1 or pUC	1653
DGCR2	CSB-CL006825HU2	BC040500	9993	pENTR223.1 or pUC	1653
DGCR6L	CSB-CL880133HU	BC000682	85359	pENTR223.1 or pUC	663
DGCR8	CSB-CL845175HU1	BC009984	54487	pENTR223.1	915
DGCR8	CSB-CL845175HU2	BC009323	54487	pENTR223.1	1473
DGKA	CSB-CL006832HU	BC031870	1606	pENTR223.1	2208
DGKE	CSB-CL006835HU	BC130629	8526	pENTR223.1 or pUC	1704
DGUOK	CSB-CL621974HU1	BC001121	1716	pENTR223.1 or pUC	279
DGUOK	CSB-CL621974HU2	BC015757	1716	pENTR223.1 or pUC	834
DHCR24	CSB-CL618005HU1	BC004375	1718	pENTR223.1 or pUC	1551
DHCR24	CSB-CL618005HU2	BC011669	1718	pENTR223.1 or pUC	1551
DHCR7	CSB-CL006844HU	BC000054	1717	pENTR223.1 or pUC	1428
DHDDS	CSB-CL006845HU1	BC004117	79947	pENTR223.1 or pUC	885
DHDDS	CSB-CL006845HU2	BC003643	79947	pENTR223.1 or pUC	1002
DHDH	CSB-CL890780HU	BC032730	27294	pENTR223.1 or pUC	1005
DHFR	CSB-CL006847HU	BC000192	1719	pENTR223.1 or pUC	564
DHFRL1	CSB-CL773052HU	BC045541	200895	pENTR223.1 or pUC	564
DHPS	CSB-CL006854HU1	BC014016	1725	pENTR223.1 or pUC	1110
DHRS1	CSB-CL842707HU1	BC015943	115817	pENTR223.1 or pUC	942
DHRS1	CSB-CL842707HU2	BC014057	115817	pENTR223.1 or pUC	942
DHRS11	CSB-CL744264HU	BC002731	79154	pENTR223.1 or pUC	546
DHRS12	CSB-CL006857HU	BC009825	79758	pENTR223.1 or pUC	816



Name	Code	Accession No.	Gene ID	Vector	Length
DHRS13	CSB-CL761493HU	BC015582	147015	pENTR223.1 or pUC	984
DHRS2	CSB-CL615674HU1	BC007339	10202	pENTR223.1 or pUC	777
DHRS2	CSB-CL615674HU2	BC002786	10202	pENTR223.1 or pUC	903
DHRS3	CSB-CL006860HU	BC002730	9249	pENTR223.1 or pUC	909
DHRS7	CSB-CL897480HU	BC000637	51635	pENTR223.1 or pUC	1020
DHRS7B	CSB-CL760785HU	BC004126	25979	pENTR223.1 or pUC	978
DHRS9	CSB-CL859827HU	BC058883	10170	pENTR223.1 or pUC	960
DHRSX	CSB-CL836670HU	BC032340	207063	pENTR223.1 or pUC	993
DHX15	CSB-CL006870HU	BC035974	1665	pENTR223.1 or pUC	2388
DHX16	CSB-CL006871HU	BC008825	8449	pUC	3129
DHX30	CSB-CL752098HU	BC014237	22907	pENTR223.1 or pUC	1506
DHX32	CSB-CL748724HU	BC068471	55760	pENTR223.1 or pUC	2232
DHX33	CSB-CL884479HU	BC042040	56919	pENTR223.1	1452
DHX35	CSB-CL887985HU	BC132669	60625	pENTR223.1 or pUC	2112
DHX36	CSB-CL862002HU	BC036035	170506	pENTR223.1	2940
DHX37	CSB-CL812893HU	BC004463	57647	pENTR223.1 or pUC	114
DHX57	CSB-CL757549HU1	BC060778	90957	pENTR223.1 or pUC	1671
DHX58	CSB-CL822187HU	BC014949	79132	pENTR223.1 or pUC	2037
DHX8	CSB-CL619879HU	BC044586	1659	pUC	3645
DIABLO	CSB-CL865113HU	BC011909	56616	pENTR223.1 or pUC	720
DIAPH3	CSB-CL885723HU	BC048963	81624	pENTR223.1	2550
DIDO1	CSB-CL887120HU1	BC004237	11083	pENTR223.1 or pUC	1689
DIDO1	CSB-CL887120HU2	BC000770	11083	pENTR223.1 or pUC	1635
DIO1	CSB-CL343445HU	BC107170	1733	pENTR223.1 or pUC	750
DIO3	CSB-CL345038HU	BC017717	1735	pENTR223.1 or pUC	432
DIP2A	CSB-CL623930HU1	BC038443	23181	pENTR223.1 or pUC	2670
DIRAS2	CSB-CL856949HU	BC008065	54769	pENTR223.1 or pUC	600



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DIRAS3	CSB-CL006907HU	BC005362	9077	pENTR223.1 or pUC	690
DIRC1	CSB-CL846572HU	BC125137	116093	pENTR223.1 or pUC	315
DIS3L	CSB-CL823476HU	BC022089	115752	pENTR223.1 or pUC	2916
DIS3L2	CSB-CL818258HU	BC036113	129563	pENTR223.1 or pUC	1839
DISP1	CSB-CL839320HU2	BC007734	84976	pENTR223.1 or pUC	1629
DISP1	CSB-CL839320HU1	BC011542	84976	pENTR223.1 or pUC	2754
DKC1	CSB-CL006919HU1	BC009928	1736	pENTR223.1 or pUC	1545
DKC1	CSB-CL006919HU2	BC010015	1736	pENTR223.1 or pUC	1545
DKK1	CSB-CL006920HU	BC001539	22943	pENTR223.1	801
DKK2	CSB-CL866207HU	BC126328	27123	pENTR223.1	780
DKK3	CSB-CL890660HU	BC007660	27122	pENTR223.1	1053
DKK4	CSB-CL883367HU	BC107047	27121	pENTR223.1 or pUC	675
DKKL1	CSB-CL892450HU	BC030581	27120	pENTR223.1 or pUC	729
DLAT	CSB-CL006926HU	BC039084	1737	pUC	1944
DLEU1	CSB-CL006930HU	BC020692	10301	pENTR223.1 or pUC	237
DLGAP5	CSB-CL622997HU1	BC010658	9787	pENTR223.1 or pUC	2541
DLGAP5	CSB-CL622997HU2	BC016276	9787	pENTR223.1 or pUC	2541
DLK1	CSB-CL006945HU	BC007741	8788	pENTR223.1 or pUC	1152
DLK2	CSB-CL751023HU	BC000230	65989	pENTR223.1 or pUC	615
DLX4	CSB-CL821718HU	BC016145	1748	pENTR223.1 or pUC	723
DLX5	CSB-CL006956HU	BC006226	1749	pENTR223.1 or pUC	870
DLX6	CSB-CL006957HU	BC069363	1750	pENTR223.1	528
DMC1	CSB-CL617920HU1	BC035658	11144	pENTR223.1 or pUC	498
DMKN	CSB-CL006965HU1	BC011886	93099	pENTR223.1 or pUC	414
DMRTA1	CSB-CL730143HU1	BC130437	63951	pENTR223.1	1515
DMRTB1	CSB-CL853463HU	BC029566	63948	pENTR223.1 or pUC	570
DMRTC1	CSB-CL702406HU	BC029799	63947	pENTR223.1 or pUC	333



Name	Code	Accession No.	Gene ID	Vector	Length
DMRTC2	CSB-CL816905HU1	BC039266	63946	pENTR223.1 or pUC	1104
DMWD	CSB-CL600200HU	BC019266	1762	pENTR223.1 or pUC	1005
DNA2	CSB-CL006982HU	BC111740	1763	pENTR223.1 or pUC	2064
DNAI2	CSB-CL884423HU	BC039582	64446	pENTR223.1 or pUC	1782
DNAJA1	CSB-CL006999HU	BC008182	3301	pENTR223.1 or pUC	1194
DNAJA2	CSB-CL007000HU	BC013044	10294	pENTR223.1 or pUC	1239
DNAJA3	CSB-CL836207HU1	BC011855	9093	pENTR223.1 or pUC	1443
DNAJA3	CSB-CL836207HU2	BC012343	9093	pENTR223.1 or pUC	726
DNAJA4	CSB-CL819899HU1	BC021720	55466	pENTR223.1 or pUC	1194
DNAJA4	CSB-CL819899HU2	BC031044	55466	pENTR223.1 or pUC	720
DNAJB1	CSB-CL007003HU	BC002352	3337	pENTR223.1 or pUC	1023
DNAJB11	CSB-CL890663HU	BC001144	51726	pENTR223.1 or pUC	1077
DNAJB12	CSB-CL865172HU1	BC011812	54788	pENTR223.1 or pUC	513
DNAJB12	CSB-CL865172HU2	BC064920	54788	pENTR223.1 or pUC	1128
DNAJB14	CSB-CL819454HU	BC022248	79982	pENTR223.1 or pUC	1140
DNAJB2	CSB-CL007008HU1	BC011609	3300	pENTR223.1 or pUC	975
DNAJB2	CSB-CL007008HU2	BC047056	3300	pENTR223.1 or pUC	834
DNAJB3	CSB-CL819902HU1	BC017590	414061	pENTR223.1 or pUC	438
DNAJB3	CSB-CL819902HU2	BC024013	414061	pENTR223.1 or pUC	438
DNAJB4	CSB-CL890671HU	BC034721	11080	pENTR223.1	1014
DNAJB5	CSB-CL007011HU	BC012115	25822	pENTR223.1 or pUC	1161
DNAJB6	CSB-CL007012HU	BC002446	10049	pENTR223.1	981
DNAJB8	CSB-CL836779HU	BC029521	165721	pENTR223.1 or pUC	699
DNAJB9	CSB-CL866205HU	BC028912	4189	pENTR223.1	672
DNAJC1	CSB-CL836240HU	BC030955	64215	pENTR223.1 or pUC	1023
DNAJC10	CSB-CL809006HU1	BC034713	54431	pENTR223.1 or pUC	237
DNAJC10	CSB-CL809006HU2	BC126168	54431	pENTR223.1 or pUC	2382



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DNAJC10	CSB-CL809006HU3	BC117299	54431	pENTR223.1 or pUC	2382
DNAJC11	CSB-CL868329HU1	BC014145	55735	pENTR223.1 or pUC	1524
DNAJC11	CSB-CL868329HU2	BC006086	55735	pENTR223.1 or pUC	1680
DNAJC12	CSB-CL892329HU	BC017018	56521	pENTR223.1 or pUC	597
DNAJC14	CSB-CL744334HU1	BC016941	85406	pENTR223.1 or pUC	1170
DNAJC14	CSB-CL744334HU2	BC117146	85406	pENTR223.1 or pUC	2109
DNAJC14	CSB-CL744334HU3	BC117148	85406	pENTR223.1 or pUC	2109
DNAJC17	CSB-CL873664HU	BC000048	55192	pENTR223.1 or pUC	915
DNAJC19	CSB-CL853400HU	BC009702	131118	pENTR223.1 or pUC	351
DNAJC2	CSB-CL858715HU	BC056682	27000	pENTR223.1 or pUC	504
DNAJC24	CSB-CL754185HU	BC063804	120526	pENTR223.1 or pUC	447
DNAJC28	CSB-CL889136HU	BC029509	54943	pENTR223.1 or pUC	981
DNAJC3	CSB-CL615670HU1	BC033823	5611	pENTR223.1	705
DNAJC3	CSB-CL615670HU2	BC047936	5611	pENTR223.1	1515
DNAJC4	CSB-CL865087HU1	BC010145	3338	pENTR223.1 or pUC	204
DNAJC4	CSB-CL865087HU2	BC044584	3338	pENTR223.1 or pUC	726
DNAJC5B	CSB-CL887016HU	BC016742	85479	pENTR223.1 or pUC	600
DNAJC6	CSB-CL007040HU	BC109279	9829	pENTR223.1	2913
DNAJC7	CSB-CL860771HU1	BC033772	7266	pENTR223.1 or pUC	1455
DNAJC7	CSB-CL860771HU2	BC011837	7266	pENTR223.1 or pUC	1485
DNAJC7	CSB-CL860771HU3	BC003601	7266	pENTR223.1 or pUC	1317
DNAL1	CSB-CL683815HU	BC005343	83544	pENTR223.1 or pUC	456
DNAL4	CSB-CL007046HU	BC002968	10126	pENTR223.1 or pUC	318
DNALI1	CSB-CL007047HU	BC046117	7802	pENTR223.1 or pUC	777
DNASE1	CSB-CL007049HU	BC029437	1773	pENTR223.1 or pUC	849
DNASE1L1	CSB-CL007050HU1	BC028092	1774	pENTR223.1 or pUC	909
DNASE1L1	CSB-CL007050HU2	BC001561	1774	pENTR223.1 or pUC	909



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DNASE1L3	CSB-CL621686HU	BC015831	1776	pENTR223.1 or pUC	918
DNASE2B	CSB-CL841227HU	BC126136	58511	pENTR223.1 or pUC	1074
DNM1L	CSB-CL007078HU	BC024590	10059	pENTR223.1 or pUC	2133
DNPEP	CSB-CL007087HU1	BC000653	23549	pENTR223.1	1428
DNPEP	CSB-CL007087HU2	BC003040	23549	pENTR223.1 or pUC	495
DNTTIP1	CSB-CL880940HU	BC024290	116092	pENTR223.1 or pUC	990
DNTTIP2	CSB-CL715960HU	BC130622	30836	pENTR223.1 or pUC	2271
DOCK10	CSB-CL842645HU	BC015018	55619	pENTR223.1	1629
DOCK5	CSB-CL875689HU	BC011877	80005	pENTR223.1	1053
DOCK8	CSB-CL836734HU1	BC019102	81704	pENTR223.1 or pUC	1542
DOK1	CSB-CL858723HU	BC114440	1796	pENTR223.1 or pUC	1446
DOK2	CSB-CL007108HU	BC032623	9046	pENTR223.1 or pUC	1239
DOK3	CSB-CL007109HU	BC004564	79930	pENTR223.1 or pUC	993
DOK4	CSB-CL007110HU	BC001540	55715	pENTR223.1 or pUC	981
DOK5	CSB-CL007111HU	BC008992	55816	pENTR223.1 or pUC	597
DOK6	CSB-CL007112HU	BC008583	220164	pENTR223.1 or pUC	672
DOLK	CSB-CL007114HU	BC035556	22845	pENTR223.1 or pUC	1617
DOM3Z	CSB-CL007116HU1	BC009344	1797	pENTR223.1	1191
DOM3Z	CSB-CL007116HU2	BC071651	1797	pENTR223.1 or pUC	639
DPAGT1	CSB-CL884460HU	BC000325	1798	pENTR223.1 or pUC	1227
DPCR1	CSB-CL660840HU	BC069477	135656	pENTR223.1 or pUC	708
DPEP1	CSB-CL007123HU	BC017023	1800	pENTR223.1 or pUC	1236
DPF1	CSB-CL835697HU	BC125153	8193	pENTR223.1 or pUC	1164
DPF2	CSB-CL821696HU	BC014889	5977	pENTR223.1 or pUC	1176
DPH1	CSB-CL871625HU1	BC003099	1801	pENTR223.1 or pUC	1092
DPH2	CSB-CL859031HU	BC001389	1802	pENTR223.1 or pUC	1470
DPH3	CSB-CL822214HU	BC010181	285381	pENTR223.1 or pUC	249



Name	Code	Accession No.	Gene ID	Vector	Length
DPH5	CSB-CL862001HU	BC009620	51611	pENTR223.1 or pUC	141
DPM1	CSB-CL007134HU1	BC008466	8813	pENTR223.1 or pUC	783
DPM1	CSB-CL007134HU2	BC007073	8813	pENTR223.1 or pUC	783
DPM2	CSB-CL007135HU	BC015374	8818	pENTR223.1 or pUC	207
DPM3	CSB-CL879075HU	BC104202	54344	pENTR223.1 or pUC	369
DPP10	CSB-CL839806HU	BC030832	57628	pENTR223.1	2391
DPP3	CSB-CL868352HU1	BC007221	10072	pENTR223.1 or pUC	2214
DPP3	CSB-CL868352HU2	BC001446	10072	pENTR223.1 or pUC	2214
DPP8	CSB-CL744278HU	BC030688	54878	pENTR223.1 or pUC	2523
DPPA2	CSB-CL768782HU	BC018070	151871	pENTR223.1 or pUC	897
DPPA4	CSB-CL765975HU	BC032846	55211	pENTR223.1 or pUC	885
DPY19L2P1	CSB-CL744009HU	BC066987	554236	pENTR223.1 or pUC	729
DPY19L2P2	CSB-CL757937HU	BC068601	349152	pENTR223.1 or pUC	369
DPY19L3	CSB-CL754545HU1	BC029162	147991	pENTR223.1 or pUC	309
DPY19L4	CSB-CL772012HU1	BC130576	286148	pENTR223.1 or pUC	2172
DPY19L4	CSB-CL772012HU2	BC126193	286148	pENTR223.1 or pUC	2172
DPY30	CSB-CL861193HU	BC015970	84661	pENTR223.1 or pUC	300
DPYD	CSB-CL622516HU1	BC008379	1806	pENTR223.1	522
DPYSL3	CSB-CL622756HU1	BC039006	1809	pENTR223.1 or pUC	1713
DPYSL5	CSB-CL857765HU	BC002874	56896	pENTR223.1 or pUC	1695
DR1	CSB-CL007175HU	BC002809	1810	pENTR223.1 or pUC	531
DRAP1	CSB-CL618916HU	BC010025	10589	pENTR223.1 or pUC	618
DRD2	CSB-CL007179HU	BC021195	1813	pENTR223.1	1332
DRD3	CSB-CL007180HU	BC128122	1814	pENTR223.1 or pUC	1203
DRD5	CSB-CL007182HU	BC009748	1816	pUC	1434
DRG1	CSB-CL897524HU1	BC019285	4733	pENTR223.1 or pUC	1104
DRG2	CSB-CL007186HU	BC000493	1819	pENTR223.1 or pUC	1095



Name	Code	Accession No.	Gene ID	Vector	Length
DSCC1	CSB-CL887133HU	BC001531	79075	pENTR223.1 or pUC	1182
DSCR4	CSB-CL007197HU	BC069729	10281	pENTR223.1 or pUC	357
DSCR8	CSB-CL853508HU1	BC015981	84677	pENTR223.1 or pUC	114
DSCR8	CSB-CL853508HU2	BC117304	84677	pENTR223.1 or pUC	276
DSCR9	CSB-CL007200HU	BC066653	257203	pENTR223.1 or pUC	450
DSE	CSB-CL890925HU	BC039245	29940	pENTR223.1 or pUC	2877
DSN1	CSB-CL880969HU	BC058899	79980	pENTR223.1 or pUC	1071
DSTN	CSB-CL007211HU	BC009477	11034	pENTR223.1 or pUC	498
DTD1	CSB-CL819477HU1	BC045167	92675	pENTR223.1 or pUC	630
DTD1	CSB-CL819477HU2	BC100923	92675	pENTR223.1	630
DTL	CSB-CL889160HU1	BC033540	51514	pENTR223.1	2193
DTL	CSB-CL889160HU2	BC033297	51514	pENTR223.1	2193
DTNA	CSB-CL896724HU	BC005300	1837	pENTR223.1 or pUC	1116
DTNBP1	CSB-CL822207HU	BC011912	84062	pENTR223.1 or pUC	1056
DTWD1	CSB-CL839801HU1	BC032535	56986	pENTR223.1	915
DTWD1	CSB-CL839801HU2	BC018028	56986	pENTR223.1 or pUC	330
DTX3L	CSB-CL855054HU	BC042191	151636	pENTR223.1 or pUC	2223
DTYMK	CSB-CL007226HU	BC001827	1841	pENTR223.1 or pUC	639
DUS1L	CSB-CL764712HU1	BC017081	64118	pENTR223.1 or pUC	1092
DUS1L	CSB-CL764712HU2	BC062566	64118	pENTR223.1 or pUC	1422
DUS2L	CSB-CL878911HU	BC006527	54920	pENTR223.1	1482
DUS3L	CSB-CL842675HU2	BC004549	56931	pENTR223.1 or pUC	1227
DUS4L	CSB-CL007237HU	BC111774	11062	pENTR223.1 or pUC	591
DUSP10	CSB-CL897321HU1	BC031405	11221	pENTR223.1 or pUC	1449
DUSP10	CSB-CL897321HU2	BC063826	11221	pENTR223.1 or pUC	1449
DUSP11	CSB-CL007240HU	BC000346	8446	pENTR223.1	993
DUSP12	CSB-CL890767HU	BC006286	11266	pENTR223.1 or pUC	1023



Name	Code	Accession No.	Gene ID	Vector	Length
DUSP13	CSB-CL734923HU	BC009778	51207	pENTR223.1	597
DUSP14	CSB-CL007243HU	BC000370	11072	pENTR223.1 or pUC	597
DUSP16	CSB-CL887158HU1	BC042101	80824	pENTR223.1 or pUC	1989
DUSP16	CSB-CL887158HU2	BC109234	80824	pENTR223.1 or pUC	1998
DUSP18	CSB-CL847698HU	BC028724	150290	pENTR223.1 or pUC	354
DUSP19	CSB-CL855469HU	BC035000	142679	pUC	654
DUSP21	CSB-CL875677HU	BC119755	63904	pENTR223.1 or pUC	573
DUSP22	CSB-CL865123HU1	BC016844	56940	pENTR223.1	246
DUSP22	CSB-CL865123HU2	BC022847	56940	pENTR223.1	555
DUSP26	CSB-CL863128HU	BC001613	78986	pENTR223.1 or pUC	636
DUSP3	CSB-CL007255HU1	BC035701	1845	pENTR223.1	435
DUSP3	CSB-CL007255HU2	BC002682	1845	pENTR223.1	558
DUT	CSB-CL662062HU2	BC110377	1854	pENTR223.1 or pUC	759
DYDC1	CSB-CL819901HU	BC019250	143241	pENTR223.1 or pUC	534
DYDC2	CSB-CL836230HU	BC007374	84332	pENTR223.1 or pUC	534
DYM	CSB-CL007291HU	BC064394	54808	pENTR223.1 or pUC	2010
DYNC1H1	CSB-CL613491HU	BC064521	1778	pENTR223.1	594
DYNC1I1	CSB-CL007293HU1	BC022540	1780	pENTR223.1 or pUC	1878
DYNC1I1	CSB-CL007293HU2	BC037854	1780	pENTR223.1 or pUC	1887
DYNC1I1	CSB-CL007293HU3	BC032945	1780	pENTR223.1 or pUC	1887
DYNC1I2	CSB-CL613400HU	BC015038	1781	pENTR223.1 or pUC	1839
DYNC2LI1	CSB-CL844722HU1	BC006969	51626	pENTR223.1 or pUC	1059
DYNC2LI1	CSB-CL844722HU2	BC016324	51626	pENTR223.1 or pUC	606
DYNC2LI1	CSB-CL844722HU3	BC058823	51626	pENTR223.1 or pUC	606
DYNC2LI1	CSB-CL844722HU4	BC040558	51626	pENTR223.1 or pUC	435
DYNLL1	CSB-CL007299HU	BC104245	8655	pENTR223.1 or pUC	270
DYNLL2	CSB-CL839322HU	BC010744	140735	pENTR223.1 or pUC	270



Name	Code	Accession No.	Gene ID	Vector	Length
DYNLRB1	CSB-CL865093HU	BC002481	83658	pENTR223.1 or pUC	291
DYNLRB2	CSB-CL844736HU	BC054892	83657	pENTR223.1 or pUC	165
DYNLT3	CSB-CL007306HU	BC000968	6990	pENTR223.1	351
DYRK2	CSB-CL852896HU1	BC005809	8445	pENTR223.1 or pUC	1587
DYRK3	CSB-CL007312HU	BC015501	8444	pENTR223.1 or pUC	1707
DYRK4	CSB-CL882080HU	BC031244	8798	pENTR223.1 or pUC	1563
DYX1C1	CSB-CL855504HU	BC062564	161582	pENTR223.1	1146
DZIP1L	CSB-CL812905HU	BC033308	199221	pENTR223.1 or pUC	2304
E2F2	CSB-CL623909HU	BC007609	1870	pENTR223.1 or pUC	252
E2F3	CSB-CL007342HU	BC016847	1871	pENTR223.1	402
E2F8	CSB-CL007349HU1	BC028244	79733	pENTR223.1	1296
EAF1	CSB-CL822235HU	BC041329	85403	pENTR223.1 or pUC	807
EAPP	CSB-CL007353HU	BC001245	55837	pENTR223.1 or pUC	858
EARS2	CSB-CL705509HU	BC040013	124454	pENTR223.1 or pUC	1605
EBAG9	CSB-CL007355HU1	BC017729	9166	pENTR223.1 or pUC	642
EBAG9	CSB-CL007355HU2	BC005249	9166	pENTR223.1 or pUC	642
EBF4	CSB-CL880085HU	BC054347	57593	pENTR223.1 or pUC	267
EBI3	CSB-CL622759HU	BC015364	10148	pENTR223.1	690
EBNA1BP2	CSB-CL860781HU	BC009175	10969	pENTR223.1 or pUC	921
EBP	CSB-CL624016HU	BC001549	10682	pENTR223.1 or pUC	693
ECD	CSB-CL007370HU	BC000721	11319	pENTR223.1 or pUC	1935
ECE2	CSB-CL007372HU	BC005835	9718	pENTR223.1 or pUC	768
ECH1	CSB-CL621643HU1	BC011792	1891	pENTR223.1 or pUC	987
ECH1	CSB-CL621643HU2	BC017408	1891	pENTR223.1 or pUC	987
ECHDC1	CSB-CL882103HU	BC003549	55862	pENTR223.1 or pUC	906
ECHDC2	CSB-CL771472HU	BC044574	55268	pENTR223.1 or pUC	879
ECHS1	CSB-CL007382HU	BC008906	1892	pENTR223.1 or pUC	873



Name	Code	Accession No.	Gene ID	Vector	Length
ECSIT	CSB-CL859414HU1	BC000193	51295	pENTR223.1 or pUC	1296
ECSIT	CSB-CL859414HU2	BC008279	51295	pENTR223.1 or pUC	891
EDA2R	CSB-CL881011HU	BC034919	60401	pENTR223.1 or pUC	894
EDC3	CSB-CL822210HU	BC011534	80153	pENTR223.1 or pUC	1527
EDEM2	CSB-CL861146HU	BC001371	55741	pENTR223.1 or pUC	1737
EDEM3	CSB-CL863170HU	BC016464	80267	pENTR223.1 or pUC	369
EDF1	CSB-CL007398HU	BC015500	8721	pENTR223.1 or pUC	447
EDIL3	CSB-CL007399HU1	BC030828	10085	pENTR223.1	1443
EDIL3	CSB-CL007399HU2	BC053656	10085	pENTR223.1 or pUC	1413
EDN1	CSB-CL007400HU	BC009720	1906	pENTR223.1	639
EDN2	CSB-CL007401HU	BC034393	1907	pENTR223.1 or pUC	537
EDN3	CSB-CL007402HU	BC008876	1908	pENTR223.1 or pUC	717
EDNRA	CSB-CL007403HU	BC022511	1909	pENTR223.1	1284
EDNRB	CSB-CL007404HU	BC014472	1910	pENTR223.1	1329
EEF1A1	CSB-CL007409HU	BC008587	1915	pENTR223.1	1389
EEF1B2	CSB-CL335050HU1	BC000211	1933	pENTR223.1	678
EEF1B2	CSB-CL335050HU2	BC067787	1933	pENTR223.1 or pUC	678
EEF1D	CSB-CL007431HU2	BC009907	1936	pENTR223.1 or pUC	846
EEF1DP3	CSB-CL734217HU	BC021729	196549	pENTR223.1 or pUC	402
EEF1E1	CSB-CL007432HU	BC005291	9521	pENTR223.1 or pUC	525
EEF1G	CSB-CL007433HU1	BC013918	1937	pENTR223.1 or pUC	1314
EEF1G	CSB-CL007433HU3	BC000384	1937	pENTR223.1 or pUC	1314
EEF1G	CSB-CL007433HU4	BC007949	1937	pENTR223.1 or pUC	954
EEF2	CSB-CL007434HU	BC126259	1938	pENTR223.1 or pUC	2577
EEF2K	CSB-CL007435HU	BC032665	29904	pENTR223.1 or pUC	2178
EFCAB1	CSB-CL862053HU	BC025676	79645	pENTR223.1 or pUC	636
EFCAB4B	CSB-CL863115HU	BC004524	84766	pENTR223.1 or pUC	1188



Name	Code	Accession No.	Gene ID	Vector	Length
EFEMP1	CSB-CL007450HU	BC014410	2202	pENTR223.1 or pUC	1482
EFEMP2	CSB-CL007451HU	BC010456	30008	pENTR223.1	1332
EFHB	CSB-CL822723HU	BC028198	151651	pENTR223.1 or pUC	2010
EFHC1	CSB-CL708490HU	BC020210	114327	pENTR223.1 or pUC	1923
EFHC2	CSB-CL705512HU	BC031039	80258	pENTR223.1 or pUC	2250
EFNA1	CSB-CL007460HU	BC032698	1942	pENTR223.1 or pUC	618
EFNA3	CSB-CL007462HU	BC110406	1944	pENTR223.1 or pUC	717
EFNA4	CSB-CL007463HU	BC107483	1945	pENTR223.1 or pUC	606
EFNB1	CSB-CL007465HU	BC016649	1947	pENTR223.1 or pUC	1041
EFR3B	CSB-CL897089HU	BC049384	22979	pENTR223.1 or pUC	2010
EFTUD2	CSB-CL617995HU	BC002360	9343	pENTR223.1 or pUC	2919
EGFL6	CSB-CL811602HU	BC038587	25975	pENTR223.1	1662
EGFL8	CSB-CL860784HU1	BC035574	80864	pENTR223.1	882
EGFLAM	CSB-CL723649HU	BC063822	133584	pUC	3030
EGLN2	CSB-CL856968HU	BC001723	112398	pENTR223.1 or pUC	378
EGLN3	CSB-CL880987HU	BC064924	112399	pENTR223.1 or pUC	720
EGR2	CSB-CL007485HU	BC035625	1959	pENTR223.1 or pUC	1500
EHBP1	CSB-CL836723HU	BC029477	23301	pENTR223.1 or pUC	321
EHD2	CSB-CL873710HU	BC014445	30846	pENTR223.1 or pUC	1632
EHF	CSB-CL007494HU	BC038995	26298	pENTR223.1 or pUC	903
EHHADH	CSB-CL600104HU	BC038948	1962	pENTR223.1	2172
EHMT2	CSB-CL846653HU	BC002686	10919	pUC	3006
EID3	CSB-CL850775HU	BC027612	493861	pENTR223.1 or pUC	1002
EIF1AD	CSB-CL850842HU	BC005131	84285	pENTR223.1 or pUC	498
EIF1AX	CSB-CL007506HU	BC000793	1964	pENTR223.1 or pUC	435
EIF1AY	CSB-CL007507HU	BC005248	9086	pENTR223.1 or pUC	435
EIF1B	CSB-CL007508HU	BC006996	10289	pENTR223.1 or pUC	342



Name	Code	Accession No.	Gene ID	Vector	Length
EIF2AK4	CSB-CL868396HU2	BC078179	440275	pENTR223.1 or pUC	1851
EIF2AK4	CSB-CL868396HU1	BC009350	440275	pENTR223.1 or pUC	2421
EIF2B1	CSB-CL623910HU	BC104188	1967	pENTR223.1 or pUC	918
EIF2B2	CSB-CL007515HU1	BC000494	8892	pENTR223.1 or pUC	1056
EIF2B2	CSB-CL007515HU2	BC011750	8892	pENTR223.1 or pUC	1056
EIF2B3	CSB-CL873631HU	BC018728	8891	pENTR223.1 or pUC	1206
EIF2B4	CSB-CL887053HU	BC001870	8890	pENTR223.1 or pUC	1572
EIF2C2	CSB-CL891731HU2	BC007633	27161	pENTR223.1 or pUC	1134
EIF2C3	CSB-CL875700HU	BC066888	192669	pENTR223.1	690
EIF2S2	CSB-CL007524HU1	BC000461	8894	pENTR223.1 or pUC	1002
EIF2S2	CSB-CL007524HU2	BC007888	8894	pENTR223.1 or pUC	645
EIF2S2	CSB-CL007524HU3	BC000934	8894	pENTR223.1 or pUC	1002
EIF3C	CSB-CL857867HU	BC001571	8663	pENTR223.1 or pUC	2742
EIF3D	CSB-CL007533HU	BC080515	8664	pENTR223.1 or pUC	1647
EIF3E	CSB-CL007534HU1	BC000734	3646	pENTR223.1 or pUC	1338
EIF3E	CSB-CL007534HU2	BC016706	3646	pENTR223.1 or pUC	1338
EIF3E	CSB-CL007534HU3	BC005944	3646	pENTR223.1 or pUC	1191
EIF3E	CSB-CL007534HU4	BC008419	3646	pENTR223.1 or pUC	1337
EIF3G	CSB-CL007536HU1	BC008469	8666	pENTR223.1 or pUC	963
EIF3G	CSB-CL007536HU2	BC000733	8666	pENTR223.1 or pUC	963
EIF3H	CSB-CL007537HU	BC000386	8667	pENTR223.1 or pUC	1059
EIF3I	CSB-CL622652HU	BC000413	8668	pENTR223.1 or pUC	978
EIF3K	CSB-CL866204HU	BC001031	27335	pENTR223.1 or pUC	657
EIF3M	CSB-CL745333HU	BC019103	10480	pENTR223.1	1125
EIF4A2	CSB-CL614521HU1	BC015842	1974	pENTR223.1 or pUC	1224
EIF4A2	CSB-CL614521HU3	BC012547	1974	pENTR223.1 or pUC	1227
EIF4A2	CSB-CL614521HU4	BC016295	1974	pENTR223.1 or pUC	540



Name	Code	Accession No.	Gene ID	Vector	Length
EIF4A2	CSB-CL614521HU5	BC048105	1974	pENTR223.1 or pUC	1227
EIF4A3	CSB-CL007553HU1	BC004386	9775	pENTR223.1	1236
EIF4A3	CSB-CL007553HU2	BC003662	9775	pENTR223.1 or pUC	1236
EIF4B	CSB-CL007554HU	BC073139	1975	pENTR223.1 or pUC	1836
EIF4E	CSB-CL007556HU	BC012611	1977	pENTR223.1 or pUC	654
EIF4E2	CSB-CL007558HU1	BC005392	9470	pENTR223.1 or pUC	738
EIF4E2	CSB-CL007558HU2	BC000360	9470	pENTR223.1 or pUC	771
EIF4EBP1	CSB-CL623815HU	BC004459	1978	pENTR223.1	357
EIF4EBP2	CSB-CL621680HU	BC005057	1979	pENTR223.1 or pUC	363
EIF4EBP3	CSB-CL007565HU	BC010881	8637	pENTR223.1 or pUC	303
EIF4H	CSB-CL007571HU	BC021214	7458	pENTR223.1 or pUC	687
EIF5	CSB-CL007572HU1	BC007728	1983	pENTR223.1 or pUC	1296
EIF5	CSB-CL007572HU2	BC032866	1983	pENTR223.1 or pUC	1296
EIF5A	CSB-CL007573HU	BC000751	1984	pENTR223.1 or pUC	465
EIF5A2	CSB-CL872418HU	BC036072	56648	pENTR223.1 or pUC	462
EIF6	CSB-CL007582HU	BC001119	3692	pENTR223.1 or pUC	738
ELAC1	CSB-CL880988HU	BC014624	55520	pENTR223.1 or pUC	1092
ELAVL1	CSB-CL618993HU	BC003376	1994	pENTR223.1 or pUC	981
ELAVL2	CSB-CL623660HU	BC030692	1993	pENTR223.1 or pUC	1041
ELAVL3	CSB-CL618895HU	BC014144	1995	pENTR223.1 or pUC	1104
ELAVL4	CSB-CL007595HU	BC036071	1996	pENTR223.1	1101
ELF1	CSB-CL007596HU	BC030507	1997	pENTR223.1 or pUC	1860
ELF2	CSB-CL618015HU2	BC065025	1998	pENTR223.1 or pUC	1374
ELF2	CSB-CL618015HU1	BC034951	1998	pENTR223.1 or pUC	1602
ELF5	CSB-CL891540HU	BC029743	2001	pENTR223.1 or pUC	768
ELK1	CSB-CL007603HU	BC056150	2002	pENTR223.1 or pUC	1287
ELK4	CSB-CL007607HU	BC063676	2005	pENTR223.1 or pUC	1218



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ELL	CSB-CL007608HU	BC064558	8178	pENTR223.1 or pUC	267
ELL3	CSB-CL864017HU	BC006548	80237	pENTR223.1 or pUC	1194
ELMO1	CSB-CL856404HU1	BC003051	9844	pENTR223.1	744
ELMO1	CSB-CL856404HU2	BC114341	9844	pENTR223.1	2184
ELMO3	CSB-CL846590HU	BC034410	79767	pENTR223.1 or pUC	1824
ELMOD1	CSB-CL839788HU	BC028725	55531	pENTR223.1 or pUC	852
ELMOD2	CSB-CL815588HU	BC015168	255520	pENTR223.1 or pUC	882
ELMOD3	CSB-CL842670HU1	BC010991	84173	pENTR223.1 or pUC	1146
ELMOD3	CSB-CL842670HU2	BC001942	84173	pENTR223.1 or pUC	1176
ELOF1	CSB-CL007618HU	BC007516	84337	pENTR223.1 or pUC	252
ELOVL1	CSB-CL887138HU	BC000618	64834	pENTR223.1 or pUC	840
ELOVL2	CSB-CL889139HU	BC060809	54898	pENTR223.1 or pUC	891
ELOVL3	CSB-CL884507HU	BC034344	83401	pENTR223.1 or pUC	813
ELOVL4	CSB-CL880925HU	BC038506	6785	pENTR223.1 or pUC	945
ELOVL5	CSB-CL882144HU	BC067123	60481	pENTR223.1 or pUC	900
ELOVL7	CSB-CL007625HU	BC130310	79993	pENTR223.1 or pUC	846
ELP2	CSB-CL740224HU	BC032553	55250	pENTR223.1 or pUC	2271
ELSPBP1	CSB-CL856901HU	BC015598	64100	pENTR223.1 or pUC	672
ELTD1	CSB-CL872541HU	BC025721	64123	pENTR223.1 or pUC	1821
EMB	CSB-CL754239HU	BC059398	133418	pENTR223.1 or pUC	984
EMCN	CSB-CL007632HU	BC017781	51705	pENTR223.1 or pUC	537
EMD	CSB-CL007633HU	BC000738	2010	pENTR223.1 or pUC	765
EME1	CSB-CL856897HU	BC016470	146956	pENTR223.1 or pUC	1752
EMG1	CSB-CL852924HU	BC055314	10436	pENTR223.1 or pUC	735
EMILIN1	CSB-CL896753HU	BC007530	11117	pENTR223.1 or pUC	1044
EML1	CSB-CL007642HU1	BC032541	2009	pENTR223.1 or pUC	2448
EML1	CSB-CL007642HU2	BC033043	2009	pENTR223.1 or pUC	2448



Name	Code	Accession No.	Gene ID	Vector	Length
EML2	CSB-CL007643HU	BC032630	24139	pENTR223.1 or pUC	1284
EML4	CSB-CL862066HU	BC008685	27436	pENTR223.1	189
EMP1	CSB-CL007648HU	BC047300	2012	pENTR223.1 or pUC	474
EMP3	CSB-CL007650HU	BC009718	2014	pENTR223.1 or pUC	492
EMR1	CSB-CL613493HU	BC059395	2015	pENTR223.1 or pUC	2466
ENAH	CSB-CL854072HU	BC010414	55740	pENTR223.1 or pUC	441
ENAM	CSB-CL007662HU	BC117308	10117	pUC	3429
ENC1	CSB-CL007663HU	BC000418	8507	pENTR223.1 or pUC	1770
ENO1	CSB-CL007670HU	BC001810	2023	pENTR223.1	1305
ENO2	CSB-CL007672HU	BC002745	2026	pENTR223.1 or pUC	1305
ENO3	CSB-CL007673HU	BC017249	2027	pENTR223.1	1305
ENOX1	CSB-CL007676HU	BC024178	55068	pENTR223.1 or pUC	1932
ENOX2	CSB-CL007677HU	BC019254	10495	pENTR223.1 or pUC	954
ENPP2	CSB-CL613427HU	BC034961	5168	pENTR223.1 or pUC	2592
ENPP5	CSB-CL891936HU	BC027615	59084	pENTR223.1 or pUC	1434
ENPP6	CSB-CL740915HU	BC035035	133121	pENTR223.1 or pUC	1323
ENSA	CSB-CL007686HU1	BC000436	2029	pENTR223.1 or pUC	366
ENSA	CSB-CL007686HU2	BC068544	2029	pENTR223.1 or pUC	354
ENSA	CSB-CL007686HU3	BC069208	2029	pENTR223.1 or pUC	318
ENTHD1	CSB-CL810308HU	BC033895	150350	pENTR223.1 or pUC	1824
ENTPD3	CSB-CL007692HU	BC029869	956	pENTR223.1 or pUC	1359
ENTPD4	CSB-CL007693HU	BC034477	9583	pENTR223.1 or pUC	1716
ENTPD5	CSB-CL007694HU1	BC020966	957	pENTR223.1 or pUC	1224
ENTPD7	CSB-CL007696HU	BC122857	57089	pENTR223.1 or pUC	1815
ENTPD8	CSB-CL007697HU	BC141810	377841	pENTR223.1 or pUC	1377
ENY2	CSB-CL889067HU	BC007870	56943	pENTR223.1	306
EP400	CSB-CL850331HU	BC037208	57634	pENTR223.1 or pUC	2958



Name	Code	Accession No.	Gene ID	Vector	Length
EP400NL	CSB-CL761644HU	BC066974	347918	pENTR223.1 or pUC	1260
EPAS1	CSB-CL860780HU1	BC015869	2034	pENTR223.1	306
EPB41	CSB-CL007706HU2	BC096105	2035	pENTR223.1 or pUC	1869
EPB41L1	CSB-CL867149HU1	BC040259	2036	pENTR223.1 or pUC	2643
EPB41L2	CSB-CL007708HU	BC034718	2037	pENTR223.1 or pUC	1902
EPB41L4A	CSB-CL867204HU	BC031042	64097	pENTR223.1 or pUC	558
EPB41L5	CSB-CL872549HU	BC032822	57669	pENTR223.1 or pUC	1518
EPB49	CSB-CL600108HU1	BC052805	2039	pENTR223.1 or pUC	1152
EPB49	CSB-CL600108HU2	BC006318	2039	pENTR223.1 or pUC	1218
EPHA4	CSB-CL007724HU	BC016981	2043	pENTR223.1	318
EPHA7	CSB-CL618004HU1	BC027940	2045	pENTR223.1	840
EPHB2	CSB-CL007730HU	BC067861	2048	pENTR223.1	1449
EPHX1	CSB-CL007734HU	BC003567	2052	pENTR223.1 or pUC	1368
EPHX2	CSB-CL007735HU	BC007708	2053	pENTR223.1 or pUC	1668
EPM2A	CSB-CL007738HU	BC005286	7957	pENTR223.1 or pUC	267
EPM2AIP1	CSB-CL759172HU	BC064696	9852	pENTR223.1 or pUC	1824
EPN3	CSB-CL867130HU1	BC001038	55040	pENTR223.1 or pUC	627
EPN3	CSB-CL867130HU2	BC110605	55040	pENTR223.1 or pUC	957
EPS8L2	CSB-CL887991HU	BC080636	64787	pENTR223.1 or pUC	2148
EPYC	CSB-CL007757HU	BC030958	1833	pENTR223.1 or pUC	969
ERAL1	CSB-CL007759HU	BC019094	26284	pENTR223.1 or pUC	1314
ERBB3	CSB-CL007765HU	BC002706	2065	pENTR223.1 or pUC	996
ERC1	CSB-CL007767HU	BC005065	23085	pENTR223.1 or pUC	276
ERCC1	CSB-CL007769HU1	BC008930	2067	pENTR223.1	894
ERCC1	CSB-CL007769HU2	BC052813	2067	pENTR223.1 or pUC	972
ERCC2	CSB-CL007770HU1	BC008346	2068	pENTR223.1 or pUC	1218
ERCC6	CSB-CL007774HU	BC127104	2074	pUC	4482



Name	Code	Accession No.	Gene ID	Vector	Length
ERCC8	CSB-CL621655HU	BC009793	1161	pENTR223.1 or pUC	618
ERF	CSB-CL007780HU	BC022231	2077	pENTR223.1 or pUC	1647
ERG	CSB-CL007781HU	BC040168	2078	pENTR223.1 or pUC	1440
ERGIC1	CSB-CL842630HU	BC012766	57222	pENTR223.1 or pUC	873
ERGIC2	CSB-CL857020HU1	BC000887	51290	pENTR223.1 or pUC	1134
ERGIC2	CSB-CL857020HU2	BC064522	51290	pENTR223.1 or pUC	648
ERGIC3	CSB-CL896688HU1	BC014014	51614	pENTR223.1 or pUC	1152
ERGIC3	CSB-CL896688HU2	BC009765	51614	pENTR223.1 or pUC	1152
ERH	CSB-CL007785HU	BC014301	2079	pENTR223.1 or pUC	315
ERLIN1	CSB-CL007790HU	BC031791	10613	pENTR223.1 or pUC	1041
ERLIN2	CSB-CL007791HU2	BC067765	11160	pENTR223.1	621
ERMAP	CSB-CL853480HU	BC099703	114625	pENTR223.1 or pUC	1428
ERMN	CSB-CL840553HU	BC026345	57471	pENTR223.1 or pUC	855
ERMP1	CSB-CL007794HU	BC031630	79956	pENTR223.1 or pUC	954
ERO1L	CSB-CL846631HU1	BC012941	30001	pENTR223.1	1407
ERO1L	CSB-CL846631HU2	BC008674	30001	pENTR223.1 or pUC	1407
ERO1LB	CSB-CL774834HU	BC032823	56605	pENTR223.1 or pUC	1404
ERP27	CSB-CL842657HU	BC030218	121506	pENTR223.1 or pUC	822
ESAM	CSB-CL850258HU	BC016868	90952	pENTR223.1 or pUC	1173
ESD	CSB-CL007823HU	BC001169	2098	pENTR223.1 or pUC	849
ESM1	CSB-CL007825HU	BC011989	11082	pENTR223.1 or pUC	555
ESR1	CSB-CL007830HU	BC128573	2099	pENTR223.1 or pUC	1788
ESR2	CSB-CL007831HU	BC024181	2100	pENTR223.1 or pUC	972
ESRRA	CSB-CL007834HU	BC063795	2101	pENTR223.1 or pUC	1272
ESRRG	CSB-CL007837HU	BC064700	2104	pENTR223.1 or pUC	1329
ETF1	CSB-CL007840HU	BC014269	2107	pENTR223.1 or pUC	1215
ETFA	CSB-CL007844HU	BC015526	2108	pENTR223.1 or pUC	1002



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ETFDH	CSB-CL619056HU	BC011890	2110	pENTR223.1 or pUC	1854
ETHE1	CSB-CL007847HU	BC008250	23474	pENTR223.1 or pUC	765
ETNK1	CSB-CL007850HU1	BC006111	55500	pENTR223.1 or pUC	510
ETS1	CSB-CL007852HU	BC017314	2113	pENTR223.1 or pUC	819
ETS2	CSB-CL007853HU1	BC017040	2114	pENTR223.1	1410
ETS2	CSB-CL007853HU2	BC042954	2114	pENTR223.1	1410
ETV1	CSB-CL007854HU	BC106762	2115	pENTR223.1 or pUC	1434
ETV4	CSB-CL007858HU	BC007242	2118	pENTR223.1 or pUC	624
ETV6	CSB-CL007860HU	BC043399	2120	pENTR223.1 or pUC	1359
ETV7	CSB-CL897576HU	BC035853	51513	pENTR223.1 or pUC	1026
EVI2A	CSB-CL007865HU	BC035572	2123	pENTR223.1 or pUC	699
EVL	CSB-CL887052HU1	BC032358	51466	pENTR223.1 or pUC	1257
EXO1	CSB-CL007876HU	BC007491	9156	pENTR223.1 or pUC	2541
EXOC4	CSB-CL007882HU	BC026174	60412	pENTR223.1 or pUC	1425
EXOC5	CSB-CL007883HU	BC041126	10640	pENTR223.1 or pUC	2127
EXOC7	CSB-CL007886HU1	BC015165	23265	pENTR223.1 or pUC	714
EXOC8	CSB-CL007887HU	BC035763	149371	pENTR223.1 or pUC	2166
EXOSC1	CSB-CL897103HU	BC022067	51013	pENTR223.1 or pUC	588
EXOSC3	CSB-CL889083HU1	BC008880	51010	pENTR223.1 or pUC	828
EXOSC4	CSB-CL889069HU	BC002777	54512	pENTR223.1 or pUC	738
EXOSC5	CSB-CL878857HU	BC007742	56915	pENTR223.1 or pUC	708
EXOSC7	CSB-CL614876HU	BC012831	23016	pENTR223.1 or pUC	876
EXOSC8	CSB-CL853387HU	BC020773	11340	pENTR223.1 or pUC	831
EXT1	CSB-CL620959HU	BC001174	2131	pENTR223.1	2241
EXT2	CSB-CL849974HU	BC010058	2132	pENTR223.1 or pUC	2157
EXTL3	CSB-CL007905HU	BC006363	2137	pENTR223.1 or pUC	2760
EYA2	CSB-CL007907HU	BC008803	2139	pENTR223.1 or pUC	1545



Name	Code	Accession No.	Gene ID	Vector	Length
EYA3	CSB-CL860766HU2	BC029500	2140	pENTR223.1 or pUC	1089
EYA3	CSB-CL860766HU1	BC041667	2140	pENTR223.1 or pUC	1611
EZH1	CSB-CL852913HU	BC015882	2145	pENTR223.1 or pUC	2244
EZH2	CSB-CL613606HU	BC010858	2146	pENTR223.1 or pUC	2256
EZR	CSB-CL007914HU	BC013903	7430	pENTR223.1	1761
F10	CSB-CL007915HU	BC046125	2159	pENTR223.1	1467
F11	CSB-CL007916HU	BC119014	2160	pENTR223.1 or pUC	1878
F11R	CSB-CL897579HU	BC001533	50848	pENTR223.1 or pUC	900
F2R	CSB-CL007924HU	BC002464	2149	pENTR223.1 or pUC	1278
F2RL1	CSB-CL007925HU1	BC018130	2150	pENTR223.1	1194
F2RL1	CSB-CL007925HU2	BC012453	2150	pENTR223.1	1194
F3	CSB-CL007928HU	BC011029	2152	pENTR223.1 or pUC	888
F8	CSB-CL007932HU	BC022513	2157	pENTR223.1	651
F9	CSB-CL007936HU	BC109215	2158	pENTR223.1	1386
FA2H	CSB-CL007937HU1	BC002679	79152	pENTR223.1 or pUC	843
FA2H	CSB-CL007937HU2	BC017049	79152	pENTR223.1 or pUC	843
FA2H	CSB-CL007937HU3	BC010453	79152	pENTR223.1 or pUC	357
FAAH	CSB-CL007938HU	BC110404	2166	pENTR223.1 or pUC	1740
FAAH2	CSB-CL746792HU	BC073922	158584	pENTR223.1 or pUC	1599
FABP1	CSB-CL007940HU	BC032801	2168	pENTR223.1	384
FABP2	CSB-CL007942HU	BC069466	2169	pENTR223.1 or pUC	399
FABP3	CSB-CL007943HU	BC007021	2170	pENTR223.1	402
FABP4	CSB-CL007945HU	BC003672	2167	pENTR223.1	399
FABP6	CSB-CL007955HU	BC022489	2172	pENTR223.1 or pUC	387
FABP7	CSB-CL007956HU	BC012299	2173	pENTR223.1	399
FADS1	CSB-CL007959HU	BC007846	3992	pENTR223.1 or pUC	1335
FAH	CSB-CL007965HU	BC002527	2184	pENTR223.1 or pUC	1260



Name	Code	Accession No.	Gene ID	Vector	Length
FAHD1	CSB-CL750807HU2	BC020615	81889	pENTR223.1 or pUC	144
FAHD2A	CSB-CL822218HU	BC009403	51011	pENTR223.1 or pUC	945
FAIM	CSB-CL889122HU	BC012478	55179	pENTR223.1 or pUC	540
FAIM2	CSB-CL866298HU	BC000051	23017	pENTR223.1 or pUC	951
FAM102B	CSB-CL735976HU	BC127898	284611	pENTR223.1 or pUC	990
FAM103A1	CSB-CL874806HU	BC003627	83640	pENTR223.1 or pUC	357
FAM104A	CSB-CL836173HU	BC011054	84923	pENTR223.1 or pUC	363
FAM104B	CSB-CL723065HU	BC017571	90736	pENTR223.1 or pUC	351
FAM105A	CSB-CL873659HU	BC011524	54491	pENTR223.1 or pUC	1071
FAM105B	CSB-CL853391HU1	BC015392	90268	pENTR223.1 or pUC	897
FAM105B	CSB-CL853391HU2	BC007706	90268	pENTR223.1 or pUC	645
FAM106A	CSB-CL679880HU	BC098363	80039	pENTR223.1 or pUC	510
FAM107A	CSB-CL007987HU	BC010561	11170	pENTR223.1 or pUC	435
FAM107B	CSB-CL884429HU	BC004872	83641	pENTR223.1 or pUC	396
FAM109B	CSB-CL753688HU	BC104175	150368	pENTR223.1 or pUC	780
FAM113A	CSB-CL867128HU1	BC014247	64773	pENTR223.1 or pUC	939
FAM113B	CSB-CL822224HU1	BC016154	91523	pENTR223.1 or pUC	840
FAM113B	CSB-CL822224HU2	BC008360	91523	pENTR223.1 or pUC	1299
FAM114A1	CSB-CL811612HU1	BC040452	92689	pENTR223.1 or pUC	1692
FAM114A1	CSB-CL811612HU2	BC001096	92689	pENTR223.1 or pUC	1692
FAM114A2	CSB-CL878875HU	BC011414	10827	pENTR223.1 or pUC	1518
FAM115C	CSB-CL008015HU1	BC113530	285966	pUC	2538
FAM115C	CSB-CL008015HU2	BC117233	285966	pENTR223.1 or pUC	2538
FAM117B	CSB-CL754170HU	BC106906	150864	pENTR223.1 or pUC	1038
FAM118A	CSB-CL885747HU	BC013696	55007	pENTR223.1 or pUC	1074
FAM118B	CSB-CL858411HU	BC001340	79607	pENTR223.1 or pUC	1056
FAM120C	CSB-CL873676HU	BC016138	54954	pENTR223.1 or pUC	399



Name	Code	Accession No.	Gene ID	Vector	Length
FAM122B	CSB-CL768758HU	BC019221	159090	pENTR223.1 or pUC	744
FAM122C	CSB-CL757571HU1	BC065225	159091	pENTR223.1 or pUC	291
FAM122C	CSB-CL757571HU2	BC063491	159091	pENTR223.1 or pUC	588
FAM122C	CSB-CL757571HU3	BC017868	159091	pENTR223.1 or pUC	459
FAM123C	CSB-CL839831HU	BC113445	205147	pENTR223.1 or pUC	2586
FAM124A	CSB-CL801237HU2	BC051771	220108	pENTR223.1 or pUC	1641
FAM124B	CSB-CL880982HU	BC025754	79843	pENTR223.1 or pUC	819
FAM126A	CSB-CL866318HU	BC018710	84668	pENTR223.1 or pUC	1566
FAM126B	CSB-CL814227HU	BC039295	285172	pENTR223.1 or pUC	1593
FAM127A	CSB-CL008044HU	BC002385	8933	pENTR223.1 or pUC	342
FAM127B	CSB-CL871589HU	BC000393	26071	pENTR223.1 or pUC	342
FAM127C	CSB-CL622040HU	BC113720	441518	pENTR223.1 or pUC	342
FAM131A	CSB-CL744268HU	BC026221	131408	pENTR223.1 or pUC	846
FAM131B	CSB-CL774828HU	BC045611	9715	pENTR223.1 or pUC	1083
FAM131C	CSB-CL839290HU1	BC037394	348487	pENTR223.1 or pUC	843
FAM133A	CSB-CL822736HU	BC113385	286499	pENTR223.1 or pUC	747
FAM134B	CSB-CL875683HU1	BC030517	54463	pENTR223.1	426
FAM134B	CSB-CL875683HU2	BC073132	54463	pENTR223.1	1071
FAM134C	CSB-CL768217HU	BC049370	162427	pENTR223.1 or pUC	1401
FAM135B	CSB-CL677719HU	BC106912	51059	pENTR223.1 or pUC	1242
FAM136A	CSB-CL836190HU	BC014975	84908	pENTR223.1 or pUC	417
FAM149B1	CSB-CL839295HU	BC015394	317662	pENTR223.1 or pUC	1269
FAM150A	CSB-CL757795HU	BC130641	389658	pENTR223.1 or pUC	390
FAM151A	CSB-CL823895HU1	BC015993	338094	pENTR223.1 or pUC	1197
FAM151A	CSB-CL823895HU2	BC020874	338094	pENTR223.1 or pUC	1758
FAM151B	CSB-CL740923HU	BC131563	167555	pENTR223.1 or pUC	831
FAM153B	CSB-CL008091HU	BC028606	202134	pENTR223.1 or pUC	786



Name	Code	Accession No.	Gene ID	Vector	Length
FAM153C	CSB-CL676570HU	BC131737	653316	pENTR223.1 or pUC	435
FAM154A	CSB-CL811632HU	BC033489	158297	pENTR223.1 or pUC	1425
FAM156A	CSB-CL847690HU	BC000867	29057	pENTR223.1 or pUC	525
FAM158A	CSB-CL897482HU	BC002491	51016	pENTR223.1 or pUC	627
FAM160A2	CSB-CL822711HU	BC030825	84067	pENTR223.1 or pUC	2919
FAM160B1	CSB-CL726129HU	BC037207	57700	pENTR223.1 or pUC	2217
FAM160B2	CSB-CL773037HU	BC012865	64760	pENTR223.1 or pUC	1038
FAM161A	CSB-CL661553HU	BC107163	84140	pENTR223.1 or pUC	1656
FAM163A	CSB-CL853423HU	BC009382	148753	pENTR223.1 or pUC	504
FAM165B	CSB-CL008119HU	BC015596	54065	pENTR223.1 or pUC	177
FAM166A	CSB-CL753727HU	BC132916	401565	pENTR223.1 or pUC	954
FAM167A	CSB-CL836244HU	BC104041	83648	pENTR223.1 or pUC	645
FAM168A	CSB-CL856405HU	BC052341	23201	pENTR223.1	708
FAM168B	CSB-CL008125HU	BC066347	130074	pENTR223.1 or pUC	372
FAM170A	CSB-CL008128HU	BC128243	340069	pENTR223.1 or pUC	993
FAM171A2	CSB-CL008131HU	BC030200	284069	pENTR223.1 or pUC	246
FAM171B	CSB-CL757601HU	BC060872	165215	pENTR223.1 or pUC	2487
FAM172A	CSB-CL840980HU	BC020584	83989	pENTR223.1 or pUC	1251
FAM173B	CSB-CL761288HU	BC063406	134145	pENTR223.1 or pUC	702
FAM174A	CSB-CL851535HU	BC027332	345757	pENTR223.1 or pUC	573
FAM175A	CSB-CL747632HU1	BC016905	84142	pENTR223.1 or pUC	222
FAM175A	CSB-CL747632HU2	BC039573	84142	pENTR223.1 or pUC	903
FAM175B	CSB-CL619958HU	BC008999	23172	pENTR223.1 or pUC	936
FAM176A	CSB-CL862042HU	BC016157	84141	pENTR223.1 or pUC	459
FAM177A1	CSB-CL847607HU	BC029559	283635	pENTR223.1 or pUC	642
FAM181A	CSB-CL839836HU	BC009073	90050	pENTR223.1 or pUC	879
FAM182A	CSB-CL729200HU	BC131537	284800	pENTR223.1 or pUC	465



Name	Code	Accession No.	Gene ID	Vector	Length
FAM184A	CSB-CL818749HU	BC060769	79632	pUC	3306
FAM187B	CSB-CL623168HU	BC117457	148109	pENTR223.1 or pUC	1110
FAM18B2	CSB-CL842667HU	BC011952	201158	pENTR223.1 or pUC	831
FAM19A1	CSB-CL770353HU	BC025746	407738	pENTR223.1 or pUC	402
FAM19A3	CSB-CL773794HU	BC112268	284467	pENTR223.1 or pUC	510
FAM19A4	CSB-CL836253HU	BC031566	151647	pENTR223.1 or pUC	423
FAM20A	CSB-CL850394HU	BC036222	54757	pENTR223.1 or pUC	744
FAM22F	CSB-CL008184HU	BC130390	54754	pENTR223.1 or pUC	2268
FAM26E	CSB-CL818707HU	BC032556	254228	pENTR223.1 or pUC	930
FAM27E1	CSB-CL735974HU	BC119676	158318	pENTR223.1 or pUC	381
FAM27L	CSB-CL822709HU	BC031617	284123	pENTR223.1 or pUC	216
FAM30A	CSB-CL868374HU	BC030286	29064	pENTR223.1 or pUC	231
FAM32A	CSB-CL897549HU	BC000639	26017	pENTR223.1 or pUC	339
FAM3A	CSB-CL008226HU1	BC008912	60343	pENTR223.1 or pUC	693
FAM3A	CSB-CL008226HU2	BC002934	60343	pENTR223.1	213
FAM3B	CSB-CL008227HU	BC057829	54097	pENTR223.1 or pUC	708
FAM3C	CSB-CL856401HU	BC046932	10447	pENTR223.1 or pUC	684
FAM3D	CSB-CL856903HU	BC015359	131177	pENTR223.1 or pUC	675
FAM40B	CSB-CL892469HU	BC019064	57464	pENTR223.1 or pUC	2277
FAM43A	CSB-CL854028HU2	BC064989	131583	pENTR223.1 or pUC	1272
FAM45A	CSB-CL840565HU	BC022271	404636	pENTR223.1 or pUC	1074
FAM45B	CSB-CL747335HU	BC069821	55855	pENTR223.1 or pUC	1074
FAM46A	CSB-CL822229HU2	BC000683	55603	pENTR223.1 or pUC	1329
FAM46B	CSB-CL856891HU	BC012790	115572	pENTR223.1 or pUC	1275
FAM46C	CSB-CL736203HU1	BC036516	54855	pENTR223.1 or pUC	1176
FAM46C	CSB-CL736203HU2	BC131726	54855	pENTR223.1 or pUC	1176
FAM46D	CSB-CL843338HU	BC028710	169966	pENTR223.1 or pUC	1170



Name	Code	Accession No.	Gene ID	Vector	Length
FAM47B	CSB-CL836705HU	BC035026	170062	pENTR223.1 or pUC	1938
FAM49B	CSB-CL873658HU1	BC016345	51571	pENTR223.1 or pUC	975
FAM49B	CSB-CL873658HU2	BC003599	51571	pENTR223.1 or pUC	975
FAM53B	CSB-CL617903HU	BC031654	9679	pENTR223.1	918
FAM53C	CSB-CL878923HU	BC000259	51307	pENTR223.1 or pUC	1179
FAM54A	CSB-CL740715HU1	BC011716	113115	pENTR223.1 or pUC	675
FAM54A	CSB-CL740715HU2	BC063688	113115	pENTR223.1 or pUC	1158
FAM54B	CSB-CL884427HU	BC017175	56181	pENTR223.1 or pUC	879
FAM55A	CSB-CL847620HU	BC029049	120400	pENTR223.1 or pUC	1218
FAM55C	CSB-CL846579HU	BC009431	91775	pENTR223.1 or pUC	1680
FAM57A	CSB-CL844714HU	BC026023	79850	pENTR223.1 or pUC	678
FAM58A	CSB-CL843137HU1	BC001909	92002	pENTR223.1 or pUC	645
FAM59A	CSB-CL863993HU	BC121068	64762	pENTR223.1 or pUC	2631
FAM5B	CSB-CL866338HU	BC028036	57795	pENTR223.1 or pUC	2352
FAM60A	CSB-CL882059HU1	BC004462	58516	pENTR223.1 or pUC	222
FAM60A	CSB-CL882059HU2	BC000024	58516	pENTR223.1	666
FAM63A	CSB-CL843272HU	BC032321	55793	pENTR223.1 or pUC	1410
FAM63B	CSB-CL822752HU	BC060514	54629	pENTR223.1 or pUC	1140
FAM64A	CSB-CL887115HU1	BC005004	54478	pENTR223.1 or pUC	747
FAM64A	CSB-CL887115HU2	BC013966	54478	pENTR223.1 or pUC	717
FAM69A	CSB-CL732928HU	BC070342	388650	pENTR223.1 or pUC	489
FAM70A	CSB-CL708482HU	BC047054	55026	pENTR223.1 or pUC	1050
FAM70B	CSB-CL819893HU	BC018995	348013	pENTR223.1 or pUC	981
FAM71A	CSB-CL810307HU	BC035007	149647	pENTR223.1 or pUC	1785
FAM71B	CSB-CL819457HU1	BC022035	153745	pENTR223.1 or pUC	1818
FAM71B	CSB-CL819457HU2	BC025409	153745	pENTR223.1 or pUC	1818
FAM71B	CSB-CL819457HU3	BC025998	153745.000000 954	pENTR223.1 or pUC	1818



Name	Code	Accession No.	Gene ID	Vector	Length
FAM71C	CSB-CL843337HU	BC031221	196472	pENTR223.1 or pUC	726
FAM71E1	CSB-CL760813HU	BC071737	112703	pENTR223.1 or pUC	696
FAM71E2	CSB-CL847639HU	BC031875	284418	pENTR223.1 or pUC	603
FAM71F1	CSB-CL853446HU	BC037248	84691	pENTR223.1 or pUC	1029
FAM71F2	CSB-CL750765HU	BC105730	346653	pENTR223.1 or pUC	903
FAM73B	CSB-CL762570HU	BC009114	84895	pENTR223.1 or pUC	645
FAM74A1	CSB-CL719318HU	BC118602	401507	pENTR223.1 or pUC	384
FAM76A	CSB-CL855037HU	BC025768	199870	pENTR223.1 or pUC	924
FAM76B	CSB-CL702405HU	BC026013	143684	pENTR223.1 or pUC	702
FAM78A	CSB-CL711454HU	BC049388	286336	pENTR223.1 or pUC	792
FAM81B	CSB-CL836252HU	BC034772	153643	pENTR223.1 or pUC	1245
FAM82A1	CSB-CL836255HU	BC024243	151393	pENTR223.1 or pUC	1194
FAM82A2	CSB-CL836307HU	BC063844	55177	pENTR223.1 or pUC	1413
FAM82B	CSB-CL850277HU	BC009671	51115	pENTR223.1 or pUC	945
FAM86A	CSB-CL853420HU	BC010084	196483	pENTR223.1 or pUC	993
FAM89B	CSB-CL854045HU	BC023991	23625	pENTR223.1 or pUC	489
FAM90A1	CSB-CL773059HU	BC042608	55138	pENTR223.1 or pUC	1395
FAM92A1	CSB-CL008396HU	BC014598	137392	pENTR223.1 or pUC	816
FAM96A	CSB-CL872502HU	BC008865	84191	pENTR223.1 or pUC	483
FAM96B	CSB-CL897544HU	BC001733	51647	pENTR223.1 or pUC	492
FAM98C	CSB-CL622041HU1	BC034383	147965	pENTR223.1 or pUC	609
FAM9A	CSB-CL815595HU	BC113449	171482	pENTR223.1 or pUC	999
FAM9B	CSB-CL816923HU	BC120955	171483	pENTR223.1 or pUC	561
FAM9C	CSB-CL812912HU	BC127957	171484	pENTR223.1 or pUC	501
FANCC	CSB-CL008415HU	BC015748	2176	pENTR223.1 or pUC	1677
FANCD2	CSB-CL866311HU	BC013582	2177	pENTR223.1	726
FANCF	CSB-CL873614HU	BC063038	2188	pENTR223.1 or pUC	1125



Name	Code	Accession No.	Gene ID	Vector	Length
FANCG	CSB-CL008419HU	BC000032	2189	pENTR223.1 or pUC	1869
FANK1	CSB-CL819458HU	BC024189	92565	pENTR223.1 or pUC	1038
FAP	CSB-CL614259HU	BC026250	2191	pENTR223.1 or pUC	2283
FAR1	CSB-CL837860HU	BC017377	84188	pENTR223.1 or pUC	1548
FAR2	CSB-CL822239HU	BC022267	55711	pENTR223.1 or pUC	1548
FARP1	CSB-CL897492HU	BC041595	10160	pUC	3138
FARP2	CSB-CL008428HU	BC021301	9855	pENTR223.1 or pUC	1944
FARS2	CSB-CL008429HU	BC020239	10667	pENTR223.1 or pUC	1356
FARSA	CSB-CL897084HU	BC006495	2193	pENTR223.1 or pUC	1527
FARSB	CSB-CL882099HU	BC017783	10056	pENTR223.1 or pUC	1770
FAS	CSB-CL008433HU	BC012479	355	pENTR223.1 or pUC	1008
FASLG	CSB-CL008434HU	BC017502	356	pENTR223.1 or pUC	846
FASN	CSB-CL008435HU	BC007909	2194	pENTR223.1 or pUC	1320
FASTK	CSB-CL008436HU2	BC000377	10922	pENTR223.1 or pUC	1398
FASTK	CSB-CL008436HU1	BC011770	10922	pENTR223.1 or pUC	1650
FASTKD1	CSB-CL703621HU	BC032687	79675	pENTR223.1 or pUC	2028
FASTKD2	CSB-CL882149HU	BC001544	22868	pENTR223.1 or pUC	2133
FASTKD3	CSB-CL619912HU	BC113563	79072	pENTR223.1 or pUC	1989
FASTKD5	CSB-CL759173HU1	BC007413	60493	pENTR223.1 or pUC	2295
FASTKD5	CSB-CL759173HU2	BC011856	60493	pENTR223.1 or pUC	2295
FATE1	CSB-CL839274HU	BC022064	89885	pENTR223.1 or pUC	552
FBF1	CSB-CL819480HU2	BC023549	85302	pENTR223.1 or pUC	2493
FBLN7	CSB-CL687502HU2	BC126986	129804	pENTR223.1 or pUC	1182
FBP1	CSB-CL008459HU	BC012927	2203	pENTR223.1 or pUC	1017
FBP2	CSB-CL008460HU	BC113632	8789	pENTR223.1 or pUC	1020
FBXL13	CSB-CL836729HU	BC031285	222235	pENTR223.1	2124
FBXL14	CSB-CL818682HU	BC028132	144699	pENTR223.1	1257



Name	Code	Accession No.	Gene ID	Vector	Length
FBXL17	CSB-CL866216HU	BC126144	64839	pENTR223.1 or pUC	912
FBXL18	CSB-CL856983HU1	BC013435	80028	pENTR223.1 or pUC	780
FBXL18	CSB-CL856983HU2	BC024256	80028	pENTR223.1 or pUC	1098
FBXL2	CSB-CL892134HU	BC031556	25827	pENTR223.1 or pUC	1272
FBXL20	CSB-CL822228HU	BC007557	84961	pENTR223.1 or pUC	1311
FBXL21	CSB-CL891953HU	BC106753	26223	pENTR223.1	417
FBXL5	CSB-CL892451HU	BC030656	26234	pENTR223.1 or pUC	2076
FBXO11	CSB-CL774829HU	BC130445	80204	pENTR223.1 or pUC	2532
FBXO15	CSB-CL843324HU	BC029579	201456	pENTR223.1 or pUC	1305
FBXO18	CSB-CL836740HU1	BC032674	84893	pENTR223.1 or pUC	2343
FBXO18	CSB-CL836740HU3	BC113375	84893	pUC	3132
FBXO22	CSB-CL854115HU	BC041691	26263	pENTR223.1 or pUC	1212
FBXO24	CSB-CL008491HU	BC067293	26261	pENTR223.1 or pUC	1743
FBXO25	CSB-CL848401HU	BC020249	26260	pENTR223.1 or pUC	876
FBXO28	CSB-CL889119HU	BC031576	23219	pENTR223.1 or pUC	1107
FBXO3	CSB-CL892132HU	BC046110	26273	pENTR223.1	1416
FBXO30	CSB-CL844709HU	BC024326	84085	pENTR223.1 or pUC	2028
FBXO32	CSB-CL839278HU1	BC024030	114907	pENTR223.1 or pUC	633
FBXO32	CSB-CL839278HU2	BC120963	114907	pENTR223.1 or pUC	633
FBXO34	CSB-CL868338HU2	BC095482	55030	pENTR223.1 or pUC	2136
FBXO36	CSB-CL854107HU	BC017869	130888	pENTR223.1 or pUC	270
FBXO39	CSB-CL850798HU	BC034782	162517	pENTR223.1 or pUC	1329
FBXO4	CSB-CL891538HU	BC048098	26272	pENTR223.1 or pUC	1164
FBXO40	CSB-CL883385HU	BC109275	51725	pENTR223.1 or pUC	2130
FBXO42	CSB-CL744044HU	BC063864	54455	pENTR223.1 or pUC	2154
FBXO44	CSB-CL872497HU	BC007832	93611	pENTR223.1 or pUC	675
FBXO5	CSB-CL890922HU	BC018905	26271	pENTR223.1 or pUC	1344



Name	Code	Accession No.	Gene ID	Vector	Length
FBXO6	CSB-CL873634HU	BC020880	26270	pENTR223.1 or pUC	882
FBXO8	CSB-CL868299HU1	BC014679	26269	pENTR223.1 or pUC	960
FBXO8	CSB-CL868299HU2	BC040456	26269	pENTR223.1 or pUC	837
FBXO9	CSB-CL891719HU	BC000650	26268	pENTR223.1	1212
FBXW10	CSB-CL726395HU	BC028364	10517	pUC	3186
FBXW11	CSB-CL891721HU	BC026213	23291	pENTR223.1 or pUC	1590
FBXW12	CSB-CL751062HU	BC101304	285231	pENTR223.1 or pUC	1185
FBXW2	CSB-CL891730HU	BC018738	26190	pENTR223.1 or pUC	1365
FBXW4	CSB-CL008525HU	BC007380	6468	pENTR223.1 or pUC	879
FCAR	CSB-CL008531HU	BC027953	2204	pENTR223.1 or pUC	864
FCER1A	CSB-CL008532HU	BC005912	2205	pENTR223.1 or pUC	774
FCER1G	CSB-CL008533HU	BC033872	2207	pENTR223.1 or pUC	264
FCER2	CSB-CL008534HU	BC014108	2208	pENTR223.1	966
FCF1	CSB-CL897478HU	BC080600	51077	pENTR223.1	330
FCGR1A	CSB-CL008537HU	BC032634	2209	pENTR223.1 or pUC	1125
FCGR2A	CSB-CL008540HU1	BC019931	2212	pENTR223.1 or pUC	951
FCGR2A	CSB-CL008540HU2	BC020823	2212	pENTR223.1	951
FCGR2B	CSB-CL008541HU1	BC031992	2213	pENTR223.1	933
FCGR2B	CSB-CL008541HU2	BC141826	2213	pENTR223.1 or pUC	876
FCGR3A	CSB-CL008543HU1	BC033678	2214	pENTR223.1 or pUC	765
FCGR3A	CSB-CL008543HU2	BC036723	2214	pENTR223.1 or pUC	873
FCGR3A	CSB-CL008543HU3	BC017865	2214	pENTR223.1	765
FCGR3B	CSB-CL008544HU	BC128562	2215	pENTR223.1 or pUC	702
FCHO2	CSB-CL606615HU	BC014311	115548	pENTR223.1	1131
FCHSD2	CSB-CL008549HU	BC010394	9873	pENTR223.1 or pUC	1548
FCN1	CSB-CL008550HU	BC020635	2219	pENTR223.1 or pUC	981
FCRL1	CSB-CL836248HU	BC033690	115350	pENTR223.1 or pUC	1290



Name	Code	Accession No.	Gene ID	Vector	Length
FCRL2	CSB-CL853454HU1	BC069185	79368	pENTR223.1 or pUC	609
FCRL2	CSB-CL853454HU2	BC129836	79368	pENTR223.1 or pUC	768
FCRL4	CSB-CL836277HU	BC125173	83417	pENTR223.1 or pUC	1548
FCRLA	CSB-CL008560HU	BC006521	84824	pENTR223.1 or pUC	1080
FDFT1	CSB-CL008562HU1	BC009251	2222	pENTR223.1 or pUC	1254
FDFT1	CSB-CL008562HU3	BC003573	2222	pENTR223.1 or pUC	1254
FDPS	CSB-CL008563HU	BC010004	2224	pENTR223.1 or pUC	1260
FDX1L	CSB-CL740716HU1	BC010155	112812	pENTR223.1 or pUC	147
FDXR	CSB-CL008575HU	BC002960	2232	pENTR223.1 or pUC	1476
FEM1C	CSB-CL836238HU	BC028369	56929	pENTR223.1 or pUC	1854
FEN1	CSB-CL008585HU	BC000323	2237	pENTR223.1 or pUC	1143
FERD3L	CSB-CL850424HU	BC101135	222894	pENTR223.1 or pUC	504
FERMT2	CSB-CL853382HU	BC017327	10979	pENTR223.1 or pUC	2043
FES	CSB-CL008597HU	BC035357	2242	pENTR223.1 or pUC	2469
FEZ1	CSB-CL857870HU	BC009545	9638	pENTR223.1	1179
FFAR1	CSB-CL008604HU	BC120944	2864	pENTR223.1	903
FFAR2	CSB-CL008605HU	BC096198	2867	pENTR223.1 or pUC	993
FFAR3	CSB-CL008606HU	BC035657	2865	pENTR223.1 or pUC	1041
FGA	CSB-CL008607HU1	BC020764	2243	pENTR223.1 or pUC	657
FGA	CSB-CL008607HU2	BC099706	2243	pENTR223.1 or pUC	1935
FGB	CSB-CL008608HU	BC106760	2244	pENTR223.1 or pUC	1476
FGD2	CSB-CL768777HU2	BC062363	221472	pENTR223.1 or pUC	315
FGD5	CSB-CL757939HU	BC035364	152273	pENTR223.1	1623
FGD6	CSB-CL761649HU	BC013319	55785	pENTR223.1 or pUC	1131
FGF1	CSB-CL008615HU	BC032697	2246	pENTR223.1	468
FGF10	CSB-CL008616HU	BC069561	2255	pENTR223.1	627
FGF12	CSB-CL008618HU	BC022524	2257	pENTR223.1 or pUC	546



Name	Code	Accession No.	Gene ID	Vector	Length
FGF13	CSB-CL008619HU	BC012347	2258	pENTR223.1 or pUC	738
FGF14	CSB-CL008620HU	BC100920	2259	pENTR223.1 or pUC	759
FGF21	CSB-CL008627HU	BC018404	26291	pENTR223.1 or pUC	630
FGF6	CSB-CL008633HU	BC121097	2251	pENTR223.1 or pUC	627
FGF7	CSB-CL008634HU	BC010956	2252	pENTR223.1 or pUC	294
FGF9	CSB-CL008638HU	BC103978	2254	pENTR223.1	627
FGFBP1	CSB-CL623920HU1	BC008910	9982	pENTR223.1	705
FGFBP1	CSB-CL623920HU2	BC003628	9982	pENTR223.1 or pUC	705
FGFBP2	CSB-CL887162HU	BC025720	83888	pENTR223.1 or pUC	672
FGFR1OP	CSB-CL008643HU	BC011902	11116	pENTR223.1 or pUC	1140
FGFR1OP2	CSB-CL008644HU	BC032143	26127	pENTR223.1 or pUC	519
FGG	CSB-CL008651HU	BC007044	2266	pUC	1314
FGGY	CSB-CL853393HU1	BC014947	55277	pENTR223.1 or pUC	1320
FGGY	CSB-CL853393HU2	BC000610	55277	pENTR223.1 or pUC	759
FGL2	CSB-CL619871HU1	BC033820	10875	pENTR223.1 or pUC	1320
FGL2	CSB-CL619871HU2	BC017813	10875	pENTR223.1 or pUC	447
FH	CSB-CL008659HU	BC003108	2271	pENTR223.1 or pUC	1533
FHAD1	CSB-CL008660HU	BC015238	114827	pENTR223.1 or pUC	483
FHIT	CSB-CL008662HU	BC032336	2272	pENTR223.1 or pUC	444
FHL1	CSB-CL619784HU	BC010998	2273	pENTR223.1 or pUC	843
FHL2	CSB-CL617906HU	BC012742	2274	pENTR223.1 or pUC	840
FHL3	CSB-CL618796HU1	BC014501	2275	pENTR223.1 or pUC	519
FHL3	CSB-CL618796HU2	BC001351	2275	pENTR223.1 or pUC	843
FHL5	CSB-CL725899HU	BC021723	9457	pENTR223.1	855
FIBCD1	CSB-CL843269HU	BC032953	84929	pENTR223.1 or pUC	1386
FIBIN	CSB-CL851526HU	BC026873	387758	pENTR223.1 or pUC	636
FIBP	CSB-CL008671HU	BC014388	9158	pENTR223.1 or pUC	1074



Name	Code	Accession No.	Gene ID	Vector	Length
FICD	CSB-CL880112HU	BC001342	11153	pUC	1350
FIGF	CSB-CL008674HU	BC027948	2277	pENTR223.1 or pUC	1065
FIGNL1	CSB-CL757658HU1	BC051867	63979	pENTR223.1 or pUC	2025
FILIP1L	CSB-CL679703HU	BC027860	11259	pENTR223.1	2682
FIP1L1	CSB-CL744253HU1	BC017724	81608	pENTR223.1 or pUC	1137
FIP1L1	CSB-CL744253HU3	BC110383	81608	pENTR223.1 or pUC	1785
FKBP11	CSB-CL878925HU	BC027973	51303	pENTR223.1	606
FKBP14	CSB-CL865159HU	BC005206	55033	pENTR223.1 or pUC	636
FKBP1A	CSB-CL008691HU1	BC005147	2280	pENTR223.1 or pUC	327
FKBP1A	CSB-CL008691HU2	BC119732	2280	pENTR223.1 or pUC	438
FKBP1B	CSB-CL008692HU	BC002614	2281	pENTR223.1 or pUC	243
FKBP2	CSB-CL008698HU	BC003384	2286	pENTR223.1 or pUC	429
FKBP4	CSB-CL008700HU	BC001786	2288	pENTR223.1 or pUC	1380
FKBP6	CSB-CL008702HU	BC036817	8468	pENTR223.1 or pUC	984
FKBP8	CSB-CL617913HU	BC009966	23770	pENTR223.1 or pUC	1068
FKBP9L	CSB-CL758809HU	BC011872	360132	pENTR223.1 or pUC	429
FKBPL	CSB-CL883441HU	BC004168	63943	pENTR223.1 or pUC	1050
FLCN	CSB-CL008711HU	BC015687	201163	pENTR223.1 or pUC	1029
FLOT1	CSB-CL008727HU	BC001146	10211	pENTR223.1 or pUC	1284
FLOT2	CSB-CL619868HU1	BC017292	2319	pENTR223.1 or pUC	1140
FLOT2	CSB-CL619868HU2	BC003683	2319	pENTR223.1 or pUC	1158
FLRT1	CSB-CL865196HU	BC018370	23769	pENTR223.1 or pUC	2025
FLRT3	CSB-CL882162HU	BC020870	23767	pENTR223.1 or pUC	1950
FLT3	CSB-CL008733HU2	BC036028	2322	pENTR223.1 or pUC	1791
FLT3	CSB-CL008733HU1	BC126350	2322	pENTR223.1 or pUC	2982
FLVCR2	CSB-CL892364HU	BC019087	55640	pENTR223.1 or pUC	1581
FLYWCH2	CSB-CL008740HU	BC014089	114984	pENTR223.1 or pUC	423



Name	Code	Accession No.	Gene ID	Vector	Length
FMN1	CSB-CL715012HU	BC103692	342184	pENTR223.1 or pUC	1512
FMNL1	CSB-CL008743HU1	BC021906	752	pENTR223.1 or pUC	1392
FMNL2	CSB-CL822285HU	BC036492	114793	pENTR223.1	537
FMO2	CSB-CL857449HU	BC005894	2327	pENTR223.1	1416
FMO3	CSB-CL008749HU	BC032016	2328	pENTR223.1	1599
FMO4	CSB-CL008750HU	BC002780	2329	pENTR223.1 or pUC	1677
FMO5	CSB-CL008751HU	BC035687	2330	pENTR223.1	858
FMR1NB	CSB-CL839771HU	BC034320	158521	pENTR223.1 or pUC	768
FN3KRP	CSB-CL867182HU	BC007611	79672	pENTR223.1 or pUC	930
FNDC3B	CSB-CL709599HU	BC012204	64778	pENTR223.1 or pUC	204
FNDC4	CSB-CL872504HU	BC032725	64838	pENTR223.1 or pUC	705
FNDC5	CSB-CL836707HU	BC062297	252995	pENTR223.1 or pUC	462
FNDC7	CSB-CL736197HU	BC130421	163479	pENTR223.1 or pUC	1503
FNIP1	CSB-CL819483HU	BC001956	96459	pENTR223.1	1527
FNTA	CSB-CL008777HU1	BC037295	2339	pENTR223.1 or pUC	645
FNTA	CSB-CL008777HU2	BC084566	2339	pENTR223.1 or pUC	1140
FNTB	CSB-CL008780HU	BC020232	2342	pENTR223.1 or pUC	1314
FOS	CSB-CL008790HU	BC004490	2353	pENTR223.1 or pUC	1143
FOSL2	CSB-CL008793HU1	BC008899	2355	pENTR223.1 or pUC	369
FOSL2	CSB-CL008793HU2	BC022791	2355	pENTR223.1	981
FOXA3	CSB-CL008796HU	BC016024	3171	pENTR223.1 or pUC	1053
FOXD4L6	CSB-CL666168HU	BC103887	653404	pENTR223.1 or pUC	1254
FOXJ2	CSB-CL889168HU	BC126396	55810	pENTR223.1 or pUC	1725
FOXN2	CSB-CL008830HU	BC063305	3344	pENTR223.1 or pUC	1296
FOXN3	CSB-CL008831HU1	BC007506	1112	pENTR223.1 or pUC	1407
FOXN3	CSB-CL008831HU2	BC010460	1112	pENTR223.1 or pUC	189
FOXO3	CSB-CL008836HU	BC020227	2309	pENTR223.1	2022



Name	Code	Accession No.	Gene ID	Vector	Length
FOXP1	CSB-CL887969HU	BC005055	27086	pENTR223.1 or pUC	345
FOXP2	CSB-CL008842HU1	BC018016	93986	pENTR223.1	204
FOXR1	CSB-CL764807HU1	BC028191	283150	pENTR223.1 or pUC	879
FOXR1	CSB-CL764807HU2	BC125040	283150	pENTR223.1 or pUC	621
FOXR2	CSB-CL757660HU	BC012934	139628	pENTR223.1 or pUC	936
FOXRED2	CSB-CL816892HU2	BC015726	80020	pENTR223.1 or pUC	2055
FPGT	CSB-CL008852HU	BC032308	8790	pENTR223.1 or pUC	1785
FPR1	CSB-CL008854HU	BC005315	2357	pENTR223.1	1053
FPR2	CSB-CL008855HU	BC029125	2358	pENTR223.1 or pUC	1056
FPR3	CSB-CL008856HU	BC059388	2359	pENTR223.1 or pUC	1062
FRG1	CSB-CL623915HU	BC053997	2483	pENTR223.1 or pUC	777
FRG1B	CSB-CL871620HU	BC062743	284802	pENTR223.1 or pUC	252
FRK	CSB-CL008988HU	BC012916	2444	pENTR223.1 or pUC	1518
FRMD3	CSB-CL008990HU2	BC023560	257019	pENTR223.1 or pUC	642
FRMD5	CSB-CL773602HU	BC053647	84978	pENTR223.1 or pUC	1713
FRMD6	CSB-CL822270HU1	BC029870	122786	pENTR223.1 or pUC	795
FRMD6	CSB-CL822270HU2	BC020521	122786	pENTR223.1 or pUC	1845
FRMD8	CSB-CL887170HU1	BC033851	83786	pENTR223.1 or pUC	201
FRMPD2	CSB-CL737874HU1	BC031614	143162	pENTR223.1 or pUC	786
FRMPD4	CSB-CL613537HU1	BC113702	9758	pUC	3969
FRS2	CSB-CL009004HU	BC021562	10818	pENTR223.1 or pUC	1539
FRS3	CSB-CL009005HU	BC010611	10817	pENTR223.1 or pUC	1479
FRYL	CSB-CL009007HU	BC021803	285527	pENTR223.1 or pUC	1212
FRZB	CSB-CL835696HU	BC027855	2487	pENTR223.1 or pUC	978
FSCB	CSB-CL708110HU	BC039878	84075	pENTR223.1 or pUC	2478
FSCN2	CSB-CL009011HU2	BC126295	25794	pENTR223.1 or pUC	1479
FSCN3	CSB-CL868290HU	BC035606	29999	pENTR223.1 or pUC	1497



Name	Code	Accession No.	Gene ID	Vector	Length
FSD1	CSB-CL861136HU	BC016442	79187	pENTR223.1 or pUC	930
FSD1L	CSB-CL887149HU	BC036746	83856	pENTR223.1 or pUC	936
FSD2	CSB-CL009015HU	BC130569	123722	pENTR223.1 or pUC	2250
FSHB	CSB-CL009018HU	BC113488	2488	pENTR223.1	390
FSIP1	CSB-CL843306HU	BC045191	161835	pENTR223.1 or pUC	1746
FSTL1	CSB-CL613266HU	BC000055	11167	pENTR223.1	927
FTH1	CSB-CL009030HU1	BC000857	2495	pENTR223.1	552
FTH1	CSB-CL009030HU2	BC066341	2495	pENTR223.1	552
FTL	CSB-CL009049HU1	BC008439	2512	pENTR223.1 or pUC	528
FTL	CSB-CL009049HU2	BC013928	2512	pENTR223.1 or pUC	528
FTL	CSB-CL009049HU3	BC002991	2512	pENTR223.1 or pUC	528
FTL	CSB-CL009049HU4	BC021670	2512	pENTR223.1 or pUC	528
FTL	CSB-CL009049HU5	BC067772	2512	pENTR223.1 or pUC	324
FTL	CSB-CL009049HU6	BC016715	2512	pENTR223.1 or pUC	528
FTO	CSB-CL880154HU1	BC003583	79068	pENTR223.1	183
FTO	CSB-CL880154HU2	BC030798	79068	pENTR223.1 or pUC	384
FTSJ1	CSB-CL866214HU	BC023584	24140	pENTR223.1 or pUC	990
FTSJ2	CSB-CL883420HU	BC114514	29960	pENTR223.1 or pUC	741
FTSJ3	CSB-CL816909HU1	BC000131	117246	pENTR223.1 or pUC	1725
FTSJ3	CSB-CL816909HU2	BC036710	117246	pENTR223.1 or pUC	2544
FTSJD1	CSB-CL812902HU	BC035005	55783	pENTR223.1 or pUC	2313
FUBP3	CSB-CL822226HU	BC007874	8939	pENTR223.1 or pUC	786
FUNDC1	CSB-CL816886HU1	BC042813	139341	pENTR223.1	468
FUNDC1	CSB-CL816886HU2	BC035015	139341	pENTR223.1 or pUC	468
FUNDC2	CSB-CL861153HU	BC000255	65991	pENTR223.1 or pUC	570
FUT2	CSB-CL606050HU1	BC001899	2524	pENTR223.1	462
FUT2	CSB-CL606050HU2	BC121066	2524	pENTR223.1 or pUC	1032



Name	Code	Accession No.	Gene ID	Vector	Length
FUZ	CSB-CL883593HU1	BC004445	80199	pENTR223.1 or pUC	1257
FUZ	CSB-CL883593HU2	BC010092	80199	pENTR223.1 or pUC	810
FXC1	CSB-CL896532HU	BC011014	26515	pENTR223.1 or pUC	312
FXR2	CSB-CL009088HU1	BC020090	9513	pENTR223.1	2022
FXYP1	CSB-CL009089HU	BC032800	5348	pENTR223.1 or pUC	279
FXYP2	CSB-CL009090HU	BC005302	486	pENTR223.1 or pUC	195
FXYP3	CSB-CL622789HU	BC005238	5349	pENTR223.1 or pUC	264
FXYP4	CSB-CL009092HU	BC054876	53828	pENTR223.1 or pUC	270
FXYP5	CSB-CL842655HU	BC009642	53827	pENTR223.1 or pUC	537
FXYP6	CSB-CL863943HU	BC018652	53826	pENTR223.1 or pUC	288
FXYP7	CSB-CL009097HU	BC018619	53822	pENTR223.1 or pUC	243
FYCO1	CSB-CL866262HU1	BC007218	79443	pENTR223.1 or pUC	768
FYN	CSB-CL009101HU	BC032496	2534	pENTR223.1 or pUC	1449
FYTTD1	CSB-CL842744HU	BC035006	84248	pENTR223.1 or pUC	957
FZD2	CSB-CL622766HU	BC113402	2535	pENTR223.1 or pUC	1698
FZD5	CSB-CL613403HU	BC114346	7855	pENTR223.1 or pUC	978
FZR1	CSB-CL892473HU	BC013413	51343	pENTR223.1 or pUC	1482
GOS2	CSB-CL009114HU	BC009694	50486	pENTR223.1 or pUC	312
G3BP1	CSB-CL613389HU	BC006997	10146	pENTR223.1 or pUC	1401
G3BP2	CSB-CL892356HU	BC011731	9908	pENTR223.1 or pUC	1350
G6PC	CSB-CL009118HU	BC130478	2538	pENTR223.1 or pUC	1074
G6PC2	CSB-CL873624HU	BC113376	57818	pENTR223.1 or pUC	1068
G6PD	CSB-CL009121HU	BC000337	2539	pENTR223.1	1548
GABARAP	CSB-CL009130HU	BC106749	11337	pENTR223.1 or pUC	354
GABARAPL1	CSB-CL861986HU	BC009309	23710	pENTR223.1	354
GABARAPL2	CSB-CL009132HU1	BC029601	11345	pENTR223.1	354
GABARAPL2	CSB-CL009132HU2	BC005985	11345	pENTR223.1 or pUC	354



Name	Code	Accession No.	Gene ID	Vector	Length
GABBR2	CSB-CL009135HU	BC035071	9568	pENTR223.1 or pUC	2652
GABPB2	CSB-CL844704HU	BC027033	126626	pENTR223.1 or pUC	1347
GABRA2	CSB-CL009141HU	BC022488	2555	pENTR223.1 or pUC	1104
GABRA3	CSB-CL009142HU	BC028629	2556	pENTR223.1 or pUC	1479
GABRA4	CSB-CL009143HU	BC035055	2557	pENTR223.1 or pUC	1665
GABRA5	CSB-CL009144HU	BC011403	2558	pENTR223.1 or pUC	1389
GABRA6	CSB-CL623078HU	BC096241	2559	pENTR223.1 or pUC	1362
GABRB1	CSB-CL009146HU	BC022449	2560	pENTR223.1 or pUC	1425
GABRB2	CSB-CL009147HU	BC099719	2561	pENTR223.1 or pUC	1425
GABRG1	CSB-CL836644HU	BC031087	2565	pENTR223.1 or pUC	1398
GABRQ	CSB-CL891564HU	BC109210	55879	pENTR223.1 or pUC	1899
GABRR1	CSB-CL009156HU	BC130344	2569	pENTR223.1 or pUC	1425
GABRR2	CSB-CL009157HU	BC130352	2570	pENTR223.1 or pUC	1398
GAD1	CSB-CL858702HU1	BC002815	2571	pENTR223.1 or pUC	675
GAD1	CSB-CL858702HU2	BC026349	2571	pENTR223.1 or pUC	1785
GAD1	CSB-CL858702HU3	BC037780	2571	pENTR223.1 or pUC	1785
GADD45A	CSB-CL009161HU	BC011757	1647	pENTR223.1	498
GADD45B	CSB-CL009163HU	BC113466	4616	pENTR223.1 or pUC	483
GADD45G	CSB-CL009164HU	BC000465	10912	pENTR223.1 or pUC	480
GAGE1	CSB-CL622634HU	BC036094	2543	pENTR223.1 or pUC	420
GAGE12B	CSB-CL376725HU	BC130374	729428	pENTR223.1 or pUC	354
GAGE12I	CSB-CL009176HU	BC031628	26748	pENTR223.1 or pUC	354
GAGE2E	CSB-CL009183HU	BC018052	26749	pENTR223.1 or pUC	351
GAGE5	CSB-CL009186HU	BC024914	2577	pENTR223.1 or pUC	354
GAL	CSB-CL009191HU	BC030241	51083	pENTR223.1	372
GALE	CSB-CL613499HU	BC001273	2582	pENTR223.1 or pUC	1047
GALK2	CSB-CL009199HU	BC005141	2585	pENTR223.1 or pUC	1377



Name	Code	Accession No.	Gene ID	Vector	Length
GALM	CSB-CL850268HU	BC014916	130589	pENTR223.1 or pUC	1029
GALNS	CSB-CL009202HU	BC050684	2588	pENTR223.1	1569
GALNT12	CSB-CL814224HU	BC013945	79695	pENTR223.1 or pUC	819
GALNT13	CSB-CL816873HU	BC101032	114805	pENTR223.1 or pUC	1686
GALNT14	CSB-CL836212HU	BC010659	79623	pENTR223.1 or pUC	1659
GALNT3	CSB-CL613501HU1	BC056246	2591	pENTR223.1 or pUC	426
GALNT4	CSB-CL836662HU	BC036390	8693	pENTR223.1 or pUC	1737
GALNT6	CSB-CL847683HU1	BC035822	11226	pENTR223.1 or pUC	1869
GALNT6	CSB-CL847683HU2	BC114505	11226	pENTR223.1 or pUC	1869
GALNT7	CSB-CL773016HU	BC046129	51809	pENTR223.1 or pUC	1974
GALNTL1	CSB-CL850796HU	BC036812	57452	pENTR223.1 or pUC	1677
GALNTL2	CSB-CL822698HU	BC014789	117248	pENTR223.1 or pUC	1920
GALNTL5	CSB-CL767201HU	BC022021	168391	pENTR223.1 or pUC	1332
GALT	CSB-CL009226HU	BC015045	2592	pENTR223.1 or pUC	1140
GAP43	CSB-CL009231HU	BC007936	2596	pENTR223.1 or pUC	717
GAPDH	CSB-CL009232HU	BC001601	2597	pENTR223.1	1008
GAR1	CSB-CL878917HU	BC003413	54433	pUC	654
GAS2	CSB-CL009265HU	BC013326	2620	pENTR223.1 or pUC	426
GAS7	CSB-CL009271HU	BC001152	8522	pENTR223.1	1239
GAST	CSB-CL009273HU	BC069724	2520	pENTR223.1	306
GATA1	CSB-CL009274HU	BC009797	2623	pENTR223.1 or pUC	1008
GATA3	CSB-CL009276HU1	BC006839	2625	pENTR223.1 or pUC	126
GATA3	CSB-CL009276HU2	BC003070	2625	pENTR223.1 or pUC	1332
GATAD2A	CSB-CL803156HU	BC011684	54815	pENTR223.1 or pUC	1473
GATC	CSB-CL009283HU	BC107145	283459	pENTR223.1 or pUC	411
GATM	CSB-CL009284HU	BC004141	2628	pENTR223.1 or pUC	1272
GBA3	CSB-CL884446HU	BC029362	57733	pENTR223.1 or pUC	489



Name	Code	Accession No.	Gene ID	Vector	Length
GBP1	CSB-CL009297HU	BC002666	2633	pENTR223.1 or pUC	1779
GBP2	CSB-CL009298HU	BC073163	2634	pENTR223.1	1776
GBP3	CSB-CL884435HU	BC063819	2635	pENTR223.1 or pUC	873
GBP5	CSB-CL847203HU	BC031639	115362	pENTR223.1 or pUC	1761
GBP6	CSB-CL751154HU	BC131713	163351	pENTR223.1 or pUC	1902
GC	CSB-CL009306HU	BC057228	2638	pENTR223.1 or pUC	1425
GCA	CSB-CL009307HU	BC005214	25801	pENTR223.1	654
GCAT	CSB-CL009308HU	BC014457	23464	pENTR223.1 or pUC	1260
GCDH	CSB-CL849798HU	BC002579	2639	pENTR223.1 or pUC	1317
GCET2	CSB-CL854052HU	BC030506	257144	pENTR223.1 or pUC	537
GCG	CSB-CL009315HU	BC005278	2641	pENTR223.1	543
GCHFR	CSB-CL009318HU	BC112262	2644	pENTR223.1	255
GCK	CSB-CL009319HU	BC001890	2645	pENTR223.1 or pUC	1398
GCKR	CSB-CL622767HU	BC130481	2646	pENTR223.1 or pUC	1878
GCLC	CSB-CL009321HU1	BC022487	2729	pENTR223.1	759
GCLC	CSB-CL009321HU2	BC039894	2729	pENTR223.1 or pUC	1914
GCLM	CSB-CL009322HU	BC041809	2730	pENTR223.1 or pUC	825
GCM1	CSB-CL868270HU	BC096288	8521	pENTR223.1 or pUC	1311
GCM2	CSB-CL009324HU	BC117316	9247	pENTR223.1 or pUC	1521
GCNT2	CSB-CL844048HU	BC130524	2651	pENTR223.1 or pUC	1209
GCNT3	CSB-CL009329HU	BC017032	9245	pENTR223.1 or pUC	1317
GDA	CSB-CL009337HU	BC053584	9615	pENTR223.1 or pUC	1365
GDAP1	CSB-CL009338HU	BC024939	54332	pENTR223.1 or pUC	873
GDAP1L1	CSB-CL009339HU	BC000199	78997	pENTR223.1 or pUC	1104
GDAP2	CSB-CL868350HU	BC013132	54834	pENTR223.1 or pUC	1491
GDE1	CSB-CL009341HU	BC001538	51573	pENTR223.1 or pUC	327
GDEP	CSB-CL853437HU	BC125139	118425	pENTR223.1 or pUC	105



Name	Code	Accession No.	Gene ID	Vector	Length
GDF15	CSB-CL859530HU	BC000529	9518	pENTR223.1 or pUC	927
GDF3	CSB-CL868295HU	BC030959	9573	pENTR223.1	1095
GDF9	CSB-CL009352HU	BC096228	2661	pENTR223.1 or pUC	1365
GDI1	CSB-CL009353HU	BC000317	2664	pENTR223.1	1344
GDI2	CSB-CL009354HU	BC005145	2665	pENTR223.1 or pUC	1338
GDNF	CSB-CL009356HU	BC069369	2668	pENTR223.1	636
GDPD1	CSB-CL836697HU	BC034432	284161	pENTR223.1 or pUC	873
GDPD2	CSB-CL864028HU	BC032009	54857	pENTR223.1 or pUC	1620
GDPD5	CSB-CL823875HU1	BC020203	81544	pENTR223.1 or pUC	384
GDPD5	CSB-CL823875HU2	BC018771	81544	pENTR223.1 or pUC	1164
GEM	CSB-CL009362HU	BC022010	2669	pENTR223.1 or pUC	891
GEMIN6	CSB-CL823902HU	BC018195	79833	pENTR223.1 or pUC	504
GEMIN7	CSB-CL862039HU	BC007793	79760	pENTR223.1 or pUC	396
GEMIN8	CSB-CL873675HU	BC003607	54960	pENTR223.1 or pUC	729
GEN1	CSB-CL624193HU	BC117204	348654	pENTR223.1 or pUC	2727
GFAP	CSB-CL009369HU	BC013596	2670	pENTR223.1	1299
GFER	CSB-CL009370HU	BC028348	2671	pENTR223.1 or pUC	378
GFM2	CSB-CL856889HU1	BC015712	84340	pENTR223.1 or pUC	2340
GFM2	CSB-CL856889HU2	BC030612	84340	pENTR223.1 or pUC	2334
GFOD2	CSB-CL665476HU	BC000757	81577	pENTR223.1 or pUC	843
GFPT2	CSB-CL009378HU	BC000012	9945	pENTR223.1 or pUC	2049
GFRA1	CSB-CL009379HU	BC014962	2674	pENTR223.1 or pUC	1383
GFRA2	CSB-CL009380HU	BC041688	2675	pENTR223.1 or pUC	1395
GGA1	CSB-CL890911HU1	BC029388	26088	pENTR223.1 or pUC	270
GGA1	CSB-CL890911HU2	BC044629	26088	pENTR223.1 or pUC	1659
GGA2	CSB-CL891942HU	BC000284	23062	pENTR223.1 or pUC	1842
GGCT	CSB-CL009387HU2	BC000625	79017	pENTR223.1 or pUC	567



Name	Code	Accession No.	Gene ID	Vector	Length
GGCX	CSB-CL009388HU	BC013979	2677	pENTR223.1 or pUC	2277
GGH	CSB-CL852914HU	BC025025	8836	pENTR223.1 or pUC	957
GGPS1	CSB-CL009393HU	BC005252	9453	pENTR223.1	903
GGT1	CSB-CL009394HU1	BC069326	2678	pENTR223.1	678
GGT1	CSB-CL009394HU2	BC069473	2678	pENTR223.1 or pUC	678
GGT1	CSB-CL009394HU3	BC128238	2678	pENTR223.1 or pUC	678
GGTLC1	CSB-CL009404HU	BC040904	92086	pENTR223.1 or pUC	678
GGTLC2	CSB-CL009405HU	BC069534	91227	pENTR223.1 or pUC	657
GH2	CSB-CL009408HU	BC020760	2689	pENTR223.1 or pUC	654
GHITM	CSB-CL872487HU	BC010354	27069	pENTR223.1 or pUC	1038
GHRH	CSB-CL009412HU	BC098161	2691	pENTR223.1 or pUC	324
GHRL	CSB-CL871388HU	BC025791	51738	pENTR223.1 or pUC	354
GHSR	CSB-CL842164HU	BC113547	2693	pENTR223.1 or pUC	1101
GIMAP2	CSB-CL883377HU	BC013934	26157	pENTR223.1 or pUC	1014
GIMAP4	CSB-CL885732HU	BC020657	55303	pENTR223.1 or pUC	990
GIMAP5	CSB-CL853414HU	BC011732	55340	pENTR223.1 or pUC	924
GIMAP6	CSB-CL744083HU	BC069461	474344	pENTR223.1 or pUC	735
GIMAP7	CSB-CL818820HU	BC027613	168537	pENTR223.1 or pUC	903
GIMAP8	CSB-CL836721HU	BC107037	155038	pENTR223.1 or pUC	1998
GIN1	CSB-CL885757HU	BC015325	54826	pENTR223.1 or pUC	669
GINS2	CSB-CL896481HU1	BC010164	51659	pENTR223.1 or pUC	558
GINS2	CSB-CL896481HU2	BC003186	51659	pENTR223.1 or pUC	558
GINS3	CSB-CL880092HU	BC005879	64785	pENTR223.1 or pUC	651
GINS4	CSB-CL871563HU	BC005995	84296	pENTR223.1 or pUC	672
GIP	CSB-CL009434HU1	BC069663	2695	pENTR223.1	462
GIP	CSB-CL009434HU2	BC096146	2695	pENTR223.1 or pUC	462
GIT2	CSB-CL613489HU	BC014223	9815	pENTR223.1	1638



Name	Code	Accession No.	Gene ID	Vector	Length
GJA1	CSB-CL009443HU	BC026329	2697	pENTR223.1 or pUC	1149
GJA4	CSB-CL009447HU1	BC027889	2701	pENTR223.1 or pUC	1002
GJA5	CSB-CL009448HU	BC013313	2702	pENTR223.1 or pUC	1077
GJB1	CSB-CL009451HU	BC002805	2705	pENTR223.1 or pUC	852
GJB2	CSB-CL009452HU	BC017048	2706	pENTR223.1 or pUC	681
GJB3	CSB-CL009453HU	BC012918	2707	pENTR223.1 or pUC	813
GJB4	CSB-CL865136HU	BC034709	127534	pENTR223.1 or pUC	801
GJB5	CSB-CL009455HU	BC004379	2709	pENTR223.1 or pUC	822
GJB6	CSB-CL009456HU	BC038934	10804	pENTR223.1 or pUC	786
GJB7	CSB-CL757637HU	BC057813	375519	pENTR223.1 or pUC	672
GJC1	CSB-CL009458HU	BC096213	10052	pENTR223.1 or pUC	1191
GK	CSB-CL300097HU	BC042421	2710	pENTR223.1	1593
GK2	CSB-CL009466HU	BC029820	2712	pENTR223.1 or pUC	1662
GK3P	CSB-CL614527HU	BC066960	2713	pENTR223.1 or pUC	1662
GK5	CSB-CL744414HU	BC032470	256356	pENTR223.1 or pUC	906
GKAP1	CSB-CL719617HU	BC014476	80318	pENTR223.1 or pUC	1101
GKN1	CSB-CL868309HU	BC059778	56287	pENTR223.1	558
GLA	CSB-CL009474HU	BC002689	2717	pENTR223.1 or pUC	1288
GLB1	CSB-CL009476HU	BC007493	2720	pENTR223.1 or pUC	2034
GLB1L	CSB-CL747631HU	BC003523	79411	pENTR223.1 or pUC	1236
GLB1L2	CSB-CL811610HU	BC040641	89944	pENTR223.1 or pUC	1911
GLB1L3	CSB-CL850859HU1	BC011001	112937	pENTR223.1 or pUC	942
GLB1L3	CSB-CL850859HU2	BC063875	112937	pENTR223.1 or pUC	486
GLE1	CSB-CL700651HU	BC030012	2733	pENTR223.1 or pUC	2097
GLIPR1	CSB-CL009503HU	BC012510	11010	pENTR223.1 or pUC	801
GLIPR1L1	CSB-CL747629HU	BC014603	256710	pENTR223.1 or pUC	702
GLIPR1L2	CSB-CL673459HU	BC029557	144321	pENTR223.1 or pUC	762



Name	Code	Accession No.	Gene ID	Vector	Length
GLIPR2	CSB-CL880974HU	BC017918	152007	pENTR223.1 or pUC	273
GLOD4	CSB-CL872542HU1	BC015848	51031	pENTR223.1 or pUC	897
GLOD4	CSB-CL872542HU2	BC008605	51031	pENTR223.1 or pUC	897
GLP2R	CSB-CL009515HU	BC096262	9340	pENTR223.1 or pUC	1662
GLRA2	CSB-CL009517HU	BC032864	2742	pENTR223.1 or pUC	1359
GLRA3	CSB-CL009518HU	BC036086	8001	pENTR223.1	1395
GLRX	CSB-CL009521HU	BC005304	2745	pENTR223.1 or pUC	321
GLRX2	CSB-CL878876HU	BC028113	51022	pENTR223.1 or pUC	375
GLRX3	CSB-CL009523HU1	BC014372	10539	pENTR223.1	570
GLRX3	CSB-CL009523HU2	BC005289	10539	pENTR223.1 or pUC	1008
GLT1D1	CSB-CL842719HU	BC043528	144423	pENTR223.1 or pUC	459
GLT25D2	CSB-CL818260HU	BC035672	23127	pENTR223.1 or pUC	1881
GLT8D1	CSB-CL715010HU	BC119670	55830	pENTR223.1 or pUC	1116
GLTP	CSB-CL009539HU	BC009932	51228	pENTR223.1 or pUC	630
GLUD2	CSB-CL009545HU	BC005111	2747	pENTR223.1 or pUC	795
GLUL	CSB-CL009553HU1	BC010037	2752	pENTR223.1 or pUC	1122
GLYAT	CSB-CL753687HU	BC009785	10249	pENTR223.1 or pUC	492
GLYATL1	CSB-CL839276HU	BC008353	92292	pENTR223.1 or pUC	909
GLYATL2	CSB-CL848816HU1	BC016789	219970	pENTR223.1 or pUC	885
GLYATL2	CSB-CL848816HU2	BC021682	219970	pENTR223.1 or pUC	885
GM2A	CSB-CL009565HU	BC009273	2760	pENTR223.1	582
GMCL1	CSB-CL856952HU	BC007420	64395	pENTR223.1 or pUC	1548
GMDS	CSB-CL009569HU	BC000117	2762	pENTR223.1 or pUC	1119
GMEB1	CSB-CL896751HU	BC001473	10691	pENTR223.1 or pUC	1692
GMFB	CSB-CL009573HU	BC005359	2764	pENTR223.1 or pUC	465
GMFG	CSB-CL009574HU	BC080180	9535	pENTR223.1 or pUC	429
GML	CSB-CL860340HU	BC126336	2765	pENTR223.1 or pUC	477



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GMNN	CSB-CL009577HU	BC005185	51053	pENTR223.1 or pUC	630
GMPPB	CSB-CL896740HU	BC001141	29925	pENTR223.1 or pUC	1083
GMPR	CSB-CL339756HU	BC008281	2766	pENTR223.1 or pUC	1038
GMPR2	CSB-CL873740HU1	BC003053	51292	pENTR223.1 or pUC	1230
GMPR2	CSB-CL873740HU2	BC008021	51292	pENTR223.1 or pUC	1047
GNA11	CSB-CL009583HU1	BC001528	2767	pENTR223.1	513
GNA11	CSB-CL009583HU2	BC096225	2767	pENTR223.1 or pUC	1080
GNA13	CSB-CL618885HU	BC036756	10672	pENTR223.1 or pUC	1134
GNA14	CSB-CL009586HU	BC027886	9630	pENTR223.1 or pUC	1068
GNA15	CSB-CL009587HU	BC013585	2769	pENTR223.1 or pUC	1125
GNAI1	CSB-CL009588HU	BC026326	2770	pENTR223.1 or pUC	1065
GNAI2	CSB-CL009589HU1	BC012138	2771	pENTR223.1	1068
GNAI2	CSB-CL009589HU2	BC014627	2771	pENTR223.1 or pUC	1068
GNAI2	CSB-CL009589HU3	BC016995	2771	pENTR223.1 or pUC	1020
GNAI3	CSB-CL009591HU	BC025285	2773	pENTR223.1 or pUC	1065
GNAO1	CSB-CL009593HU	BC030027	2775	pENTR223.1 or pUC	909
GNAS	CSB-CL009596HU1	BC002722	2778	pENTR223.1	1185
GNAS	CSB-CL009596HU2	BC008855	2778	pENTR223.1 or pUC	1188
GNAT2	CSB-CL009599HU	BC000233	2780	pUC	1065
GNAZ	CSB-CL009601HU1	BC026342	2781	pENTR223.1 or pUC	1068
GNAZ	CSB-CL009601HU2	BC037333	2781	pENTR223.1 or pUC	1068
GNAZ	CSB-CL009601HU3	BC078163	2781	pENTR223.1 or pUC	1068
GNB1	CSB-CL009602HU	BC004186	2782	pENTR223.1	1023
GNB1L	CSB-CL866315HU	BC012060	54584	pENTR223.1 or pUC	984
GNB2	CSB-CL009604HU1	BC010073	2783	pENTR223.1 or pUC	1023
GNB2	CSB-CL009604HU2	BC012348	2783	pENTR223.1 or pUC	1023
GNB2L1	CSB-CL009605HU1	BC000214	10399	pENTR223.1 or pUC	954



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GNB2L1	CSB-CL009605HU2	BC014788	10399	pENTR223.1 or pUC	954
GNB3	CSB-CL009606HU	BC015920	2784	pENTR223.1 or pUC	894
GNB4	CSB-CL862056HU	BC000873	59345	pENTR223.1 or pUC	1023
GNB5	CSB-CL009608HU1	BC011671	10681	pENTR223.1 or pUC	381
GNB5	CSB-CL009608HU2	BC013997	10681	pENTR223.1 or pUC	1062
GNG10	CSB-CL009610HU	BC010384	2790	pENTR223.1 or pUC	207
GNG11	CSB-CL009611HU	BC009709	2791	pENTR223.1 or pUC	222
GNG12	CSB-CL883362HU	BC005940	55970	pENTR223.1 or pUC	219
GNG3	CSB-CL009615HU	BC015563	2785	pENTR223.1 or pUC	228
GNG4	CSB-CL009616HU	BC022485	2786	pENTR223.1 or pUC	228
GNG5	CSB-CL009617HU	BC003563	2787	pENTR223.1 or pUC	207
GNG7	CSB-CL009619HU	BC014466	2788	pENTR223.1 or pUC	207
GNGT1	CSB-CL009621HU	BC029367	2792	pENTR223.1 or pUC	225
GNGT2	CSB-CL009622HU	BC008663	2793	pENTR223.1 or pUC	210
GNL1	CSB-CL009623HU	BC013959	2794	pENTR223.1 or pUC	1824
GNL2	CSB-CL618806HU1	BC009250	29889	pENTR223.1 or pUC	2196
GNL2	CSB-CL618806HU2	BC000107	29889	pENTR223.1 or pUC	2196
GNL3	CSB-CL874819HU	BC001024	26354	pENTR223.1 or pUC	1650
GNL3L	CSB-CL865150HU	BC011720	54552	pENTR223.1 or pUC	1749
GNLY	CSB-CL009627HU	BC023576	10578	pENTR223.1 or pUC	438
GNMT	CSB-CL009628HU	BC032627	27232	pENTR223.1	888
GNPDA1	CSB-CL009630HU1	BC012853	10007	pENTR223.1 or pUC	870
GNPDA1	CSB-CL009630HU2	BC001717	10007	pENTR223.1 or pUC	102
GNPDA1	CSB-CL009630HU3	BC020769	10007	pENTR223.1 or pUC	870
GNPDA2	CSB-CL855058HU	BC015532	132789	pENTR223.1	828
GNPNAT1	CSB-CL856926HU	BC012179	64841	pENTR223.1 or pUC	555
GNPTAB	CSB-CL666221HU1	BC002779	79158	pENTR223.1 or pUC	216



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GNRH1	CSB-CL009635HU	BC126437	2796	pENTR223.1 or pUC	279
GNRH2	CSB-CL009636HU	BC069362	2797	pENTR223.1 or pUC	363
GNRHR	CSB-CL009637HU	BC113546	2798	pENTR223.1	987
GOLGA1	CSB-CL849792HU	BC032853	2800	pENTR223.1 or pUC	2304
GOLGA2	CSB-CL600856HU1	BC014188	2801	pENTR223.1 or pUC	1863
GOLGA2	CSB-CL600856HU2	BC069268	2801	pENTR223.1 or pUC	2973
GOLGA7	CSB-CL772024HU1	BC012032	51125	pENTR223.1 or pUC	414
GOLGA7	CSB-CL772024HU2	BC001227	51125	pENTR223.1 or pUC	405
GOLM1	CSB-CL009666HU	BC001740	51280	pENTR223.1 or pUC	1203
GOLPH3L	CSB-CL009669HU	BC013870	55204	pENTR223.1 or pUC	858
GOLT1A	CSB-CL751192HU	BC058832	127845	pENTR223.1 or pUC	399
GOLT1B	CSB-CL896887HU	BC012455	51026	pENTR223.1 or pUC	417
GOPC	CSB-CL862075HU	BC009553	57120	pENTR223.1 or pUC	1365
GORASP1	CSB-CL861116HU1	BC008928	64689	pENTR223.1 or pUC	648
GORASP1	CSB-CL861116HU2	BC075854	64689	pENTR223.1 or pUC	1323
GORASP2	CSB-CL880999HU	BC007770	26003	pENTR223.1 or pUC	1359
GOSR1	CSB-CL009677HU	BC012620	9527	pENTR223.1 or pUC	528
GOSR2	CSB-CL009678HU1	BC009710	9570	pENTR223.1 or pUC	639
GOSR2	CSB-CL009678HU2	BC034762	9570	pENTR223.1 or pUC	588
GOT1	CSB-CL009679HU	BC000498	2805	pENTR223.1 or pUC	1242
GOT2	CSB-CL009681HU	BC000525	2806	pENTR223.1 or pUC	1293
GP2	CSB-CL009687HU	BC032693	2813	pENTR223.1 or pUC	1143
GP9	CSB-CL009690HU	BC030229	2815	pENTR223.1 or pUC	534
GPA33	CSB-CL857459HU	BC069723	10223	pENTR223.1 or pUC	960
GPAA1	CSB-CL009692HU1	BC006383	8733	pENTR223.1 or pUC	1686
GPAA1	CSB-CL009692HU2	BC003171	8733	pENTR223.1 or pUC	1866
GPATCH2	CSB-CL865155HU	BC063474	55105	pENTR223.1 or pUC	1131



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GPATCH4	CSB-CL729203HU	BC056904	54865	pENTR223.1 or pUC	1341
GPBP1	CSB-CL774823HU1	BC000267	65056	pENTR223.1 or pUC	546
GPBP1	CSB-CL774823HU2	BC113004	65056	pENTR223.1 or pUC	1422
GPBP1L1	CSB-CL884517HU1	BC015713	60313	pENTR223.1 or pUC	1425
GPBP1L1	CSB-CL884517HU2	BC022218	60313	pENTR223.1	1425
GPC3	CSB-CL009705HU	BC035972	2719	pENTR223.1	1743
GPC4	CSB-CL009706HU	BC017166	2239	pENTR223.1	1671
GPC5	CSB-CL009707HU	BC039730	2262	pENTR223.1 or pUC	1719
GPC6	CSB-CL897304HU	BC106947	10082	pENTR223.1	1668
GPD1	CSB-CL009709HU	BC032234	2819	pENTR223.1 or pUC	1050
GPD1L	CSB-CL854029HU	BC028726	23171	pENTR223.1 or pUC	1056
GPD2	CSB-CL009711HU	BC019874	2820	pENTR223.1 or pUC	1137
GPFR	CSB-CL859933HU	BC011634	2852	pENTR223.1 or pUC	1128
GPIHBP1	CSB-CL811603HU1	BC063857	338328	pENTR223.1 or pUC	555
GPIHBP1	CSB-CL811603HU2	BC035810	338328	pENTR223.1 or pUC	555
GPLD1	CSB-CL009721HU	BC020748	2822	pENTR223.1 or pUC	531
GPM6A	CSB-CL009722HU1	BC022508	2823	pENTR223.1 or pUC	837
GPM6B	CSB-CL614417HU	BC047295	2824	pENTR223.1 or pUC	918
GPN1	CSB-CL009724HU	BC007451	11321	pENTR223.1 or pUC	1125
GPN3	CSB-CL009726HU1	BC008416	51184	pENTR223.1 or pUC	855
GPNMB	CSB-CL622928HU2	BC011595	10457	pENTR223.1 or pUC	621
GPNMB	CSB-CL622928HU1	BC032783	10457	pENTR223.1 or pUC	1719
GPR101	CSB-CL846682HU	BC069439	83550	pENTR223.1 or pUC	1527
GPR108	CSB-CL889075HU	BC007862	56927	pENTR223.1 or pUC	285
GPR114	CSB-CL814241HU	BC032401	221188	pENTR223.1 or pUC	1587
GPR119	CSB-CL840575HU	BC126179	139760	pENTR223.1 or pUC	1008
GPR125	CSB-CL808998HU	BC026009	166647	pENTR223.1	1146



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GPR128	CSB-CL853445HU2	BC130388	84873	pENTR223.1 or pUC	2394
GPR141	CSB-CL773798HU	BC120951	353345	pENTR223.1 or pUC	918
GPR146	CSB-CL850271HU	BC014241	115330	pENTR223.1 or pUC	1002
GPR15	CSB-CL009764HU	BC069437	2838	pENTR223.1 or pUC	1083
GPR156	CSB-CL844046HU	BC113701	165829	pENTR223.1 or pUC	2445
GPR161	CSB-CL836681HU	BC028163	23432	pENTR223.1 or pUC	1590
GPR162	CSB-CL618080HU	BC002353	27239	pENTR223.1 or pUC	915
GPR17	CSB-CL619758HU	BC031653	2840	pENTR223.1 or pUC	1020
GPR171	CSB-CL009779HU	BC036815	29909	pENTR223.1 or pUC	960
GPR172A	CSB-CL881008HU	BC002917	79581	pENTR223.1 or pUC	1338
GPR172B	CSB-CL878904HU	BC060810	55065	pENTR223.1 or pUC	1347
GPR173	CSB-CL882095HU	BC009861	54328	pENTR223.1 or pUC	1122
GPR176	CSB-CL618889HU	BC067106	11245	pENTR223.1 or pUC	1545
GPR18	CSB-CL614525HU	BC008569	2841	pENTR223.1 or pUC	996
GPR180	CSB-CL769784HU	BC033906	160897	pENTR223.1	525
GPR182	CSB-CL009791HU	BC034761	11318	pENTR223.1 or pUC	1215
GPR183	CSB-CL009792HU	BC020752	1880	pENTR223.1 or pUC	1086
GPR21	CSB-CL860348HU	BC066885	2844	pENTR223.1 or pUC	1050
GPR22	CSB-CL859519HU	BC107128	2845	pENTR223.1 or pUC	1302
GPR3	CSB-CL009800HU	BC032702	2827	pENTR223.1 or pUC	993
GPR34	CSB-CL891571HU	BC020678	2857	pENTR223.1 or pUC	1146
GPR39	CSB-CL009812HU	BC125046	2863	pENTR223.1 or pUC	1362
GPR4	CSB-CL009813HU	BC067536	2828	pENTR223.1 or pUC	1089
GPR50	CSB-CL622668HU	BC103696	9248	pENTR223.1 or pUC	1854
GPR61	CSB-CL866330HU	BC067464	83873	pENTR223.1	1356
GPR64	CSB-CL811638HU	BC113978	10149	pENTR223.1 or pUC	2853
GPR65	CSB-CL810304HU	BC035633	8477	pENTR223.1	1014



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GPR82	CSB-CL856999HU	BC070180	27197	pENTR223.1 or pUC	1011
GPR83	CSB-CL865180HU	BC067473	10888	pENTR223.1 or pUC	1272
GPR84	CSB-CL865107HU	BC020614	53831	pENTR223.1 or pUC	1191
GPR85	CSB-CL009837HU	BC030577	54329	pENTR223.1 or pUC	1113
GPR87	CSB-CL871608HU1	BC009540	53836	pENTR223.1 or pUC	810
GPR87	CSB-CL871608HU2	BC132888	53836	pENTR223.1 or pUC	1077
GPR87	CSB-CL871608HU3	BC117565	53836	pENTR223.1 or pUC	1077
GPRC5A	CSB-CL818781HU	BC003665	9052	pENTR223.1 or pUC	1074
GPRC5B	CSB-CL868367HU	BC034467	51704	pENTR223.1 or pUC	1212
GPRC5C	CSB-CL878851HU1	BC016860	55890	pENTR223.1 or pUC	1326
GPRC5C	CSB-CL878851HU2	BC004925	55890	pENTR223.1 or pUC	318
GPRC5D	CSB-CL882153HU1	BC069341	55507	pENTR223.1 or pUC	1038
GPRC5D	CSB-CL882153HU2	BC107077	55507	pENTR223.1 or pUC	1038
GPRIN3	CSB-CL757968HU	BC126371	285513	pENTR223.1 or pUC	2331
GPS1	CSB-CL615663HU	BC064503	2873	pENTR223.1 or pUC	1584
GPS2	CSB-CL009859HU	BC013652	2874	pENTR223.1	984
GPSM1	CSB-CL801266HU	BC009979	26086	pENTR223.1 or pUC	1305
GPSM3	CSB-CL896517HU	BC018724	63940	pENTR223.1 or pUC	483
GPX1	CSB-CL009866HU1	BC000742	2876	pENTR223.1 or pUC	438
GPX3	CSB-CL009868HU	BC013601	2878	pENTR223.1	681
GPX4	CSB-CL009869HU1	BC011836	2879	pENTR223.1	594
GPX4	CSB-CL009869HU2	BC010157	2879	pENTR223.1 or pUC	210
GPX7	CSB-CL009872HU	BC032788	2882	pENTR223.1 or pUC	564
GPX8	CSB-CL848417HU	BC029424	493869	pENTR223.1	630
GRAMD1B	CSB-CL662055HU	BC107480	57476	pENTR223.1 or pUC	2217
GRAMD1C	CSB-CL816916HU2	BC028972	54762	pENTR223.1 or pUC	966
GRAMD1C	CSB-CL816916HU1	BC035040	54762	pENTR223.1 or pUC	1989



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GRAMD3	CSB-CL839336HU	BC008590	65983	pENTR223.1 or pUC	1299
GRAP2	CSB-CL009884HU	BC025692	9402	pENTR223.1 or pUC	993
GRB2	CSB-CL009889HU	BC000631	2885	pENTR223.1 or pUC	654
GRB7	CSB-CL009890HU	BC006535	2886	pENTR223.1 or pUC	1599
GREM2	CSB-CL887993HU	BC046632	64388	pENTR223.1 or pUC	507
GRHL2	CSB-CL750350HU	BC129822	79977	pENTR223.1 or pUC	1878
GRHL3	CSB-CL844730HU	BC036890	57822	pENTR223.1 or pUC	1668
GRIA1	CSB-CL009898HU	BC111734	2890	pENTR223.1 or pUC	2721
GRIA2	CSB-CL009899HU1	BC028736	2891	pENTR223.1	2271
GRIA2	CSB-CL009899HU2	BC010574	2891	pENTR223.1 or pUC	2652
GRIA3	CSB-CL009900HU	BC117464	2892	pENTR223.1 or pUC	2475
GRID1	CSB-CL891738HU2	BC047948	2894	pENTR223.1 or pUC	393
GRIK2	CSB-CL618751HU1	BC037954	2898	pENTR223.1 or pUC	1062
GRIK2	CSB-CL618751HU2	BC063814	2898	pENTR223.1 or pUC	1752
GRIN2B	CSB-CL615671HU	BC113618	2904	pUC	4455
GRK4	CSB-CL009925HU	BC117320	2868	pENTR223.1 or pUC	1737
GRK6	CSB-CL009927HU1	BC017272	2870	pENTR223.1	1770
GRM4	CSB-CL623936HU1	BC130526	2914	pENTR223.1 or pUC	2739
GRM4	CSB-CL623936HU2	BC130528	2914	pENTR223.1	2739
GRN	CSB-CL009939HU1	BC000324	2896	pENTR223.1 or pUC	1317
GRN	CSB-CL009939HU2	BC010577	2896	pENTR223.1 or pUC	1782
GRPEL1	CSB-CL875707HU	BC024242	80273	pENTR223.1 or pUC	654
GRPEL2	CSB-CL819443HU	BC070090	134266	pENTR223.1 or pUC	678
GRWD1	CSB-CL860655HU	BC002440	83743	pENTR223.1 or pUC	1341
GSDMA	CSB-CL850415HU	BC109197	284110	pENTR223.1	1338
GSDMB	CSB-CL823445HU	BC025682	55876	pENTR223.1 or pUC	1236
GSDMC	CSB-CL883633HU2	BC063595	56169	pENTR223.1	1527



Name	Code	Accession No.	Gene ID	Vector	Length
GSDMD	CSB-CL009956HU	BC008904	79792	pENTR223.1	1455
GSG1	CSB-CL645601HU1	BC001796	83445	pENTR223.1 or pUC	849
GSG1	CSB-CL645601HU2	BC033854	83445	pENTR223.1 or pUC	972
GSG1L	CSB-CL740924HU	BC016460	146395	pENTR223.1 or pUC	531
GSS	CSB-CL009969HU	BC007927	2937	pENTR223.1 or pUC	1425
GSTA1	CSB-CL009970HU	BC053578	2938	pENTR223.1	669
GSTA2	CSB-CL009971HU	BC002895	2939	pENTR223.1 or pUC	669
GSTA4	CSB-CL009973HU1	BC015523	2941	pENTR223.1 or pUC	669
GSTA4	CSB-CL009973HU2	BC063439	2941	pENTR223.1 or pUC	390
GSTK1	CSB-CL009978HU1	BC001231	373156	pENTR223.1 or pUC	681
GSTM1	CSB-CL009979HU	BC024005	2944	pENTR223.1	546
GSTM2	CSB-CL009981HU	BC110380	2946	pENTR223.1 or pUC	657
GSTM3	CSB-CL009982HU1	BC008790	2947	pENTR223.1	678
GSTM3	CSB-CL009982HU2	BC000088	2947	pENTR223.1 or pUC	678
GSTM5	CSB-CL009985HU	BC058881	2949	pENTR223.1 or pUC	657
GSTO1	CSB-CL009986HU	BC000127	9446	pENTR223.1	726
GSTP1	CSB-CL009989HU	BC010915	2950	pENTR223.1 or pUC	633
GSTT1	CSB-CL009991HU	BC007065	2952	pENTR223.1 or pUC	723
GSTZ1	CSB-CL009994HU	BC001453	2954	pENTR223.1 or pUC	651
GTDC1	CSB-CL676737HU	BC061699	79712	pENTR223.1 or pUC	879
GTF2A1	CSB-CL009998HU	BC107156	2957	pENTR223.1 or pUC	1131
GTF2A1L	CSB-CL891567HU	BC025991	11036	pENTR223.1 or pUC	1437
GTF2A2	CSB-CL010000HU	BC000287	2958	pENTR223.1 or pUC	330
GTF2E2	CSB-CL010003HU	BC030572	2961	pENTR223.1 or pUC	876
GTF2F1	CSB-CL010004HU1	BC013007	2962	pENTR223.1 or pUC	1554
GTF2F1	CSB-CL010004HU2	BC000120	2962	pENTR223.1 or pUC	1554
GTF2F2	CSB-CL010005HU	BC001771	2963	pENTR223.1 or pUC	750



Name	Code	Accession No.	Gene ID	Vector	Length
GTF2H2	CSB-CL618808HU	BC005345	2966	pENTR223.1 or pUC	498
GTF2H3	CSB-CL619794HU	BC065250	2967	pENTR223.1 or pUC	927
GTF2H5	CSB-CL747821HU	BC060317	404672	pENTR223.1 or pUC	216
GTF2IRD2	CSB-CL803122HU2	BC067859	84163	pENTR223.1 or pUC	1497
GTF3C2	CSB-CL819886HU	BC000212	2976	pENTR223.1 or pUC	1758
GTF3C5	CSB-CL896534HU	BC011355	9328	pENTR223.1 or pUC	1560
GTF3C6	CSB-CL853368HU	BC011593	112495	pENTR223.1 or pUC	642
GTPBP10	CSB-CL010032HU	BC021573	85865	pENTR223.1 or pUC	1077
GTPBP4	CSB-CL887173HU	BC038975	23560	pENTR223.1 or pUC	1905
GTPBP6	CSB-CL010037HU	BC014636	8225	pENTR223.1 or pUC	1212
GTPBP8	CSB-CL818697HU1	BC000003	29083	pENTR223.1 or pUC	513
GTPBP8	CSB-CL818697HU2	BC037163	29083	pENTR223.1 or pUC	855
GTSE1	CSB-CL889155HU2	BC006325	51512	pENTR223.1 or pUC	2163
GTSF1	CSB-CL848827HU	BC021179	121355	pENTR223.1 or pUC	504
GUCA1A	CSB-CL010044HU	BC031663	2978	pENTR223.1 or pUC	606
GUCA1C	CSB-CL010046HU	BC103993	9626	pENTR223.1 or pUC	630
GUCY1A3	CSB-CL010050HU2	BC012627	2982	pENTR223.1	432
GUCY1A3	CSB-CL010050HU1	BC028384	2982	pENTR223.1 or pUC	2073
GUSB	CSB-CL010064HU	BC014142	2990	pENTR223.1 or pUC	1956
GYPA	CSB-CL010074HU1	BC013328	2993	pENTR223.1 or pUC	453
GYPA	CSB-CL010074HU2	BC005319	2993	pENTR223.1 or pUC	453
GYPB	CSB-CL010075HU1	BC069310	2994	pENTR223.1 or pUC	276
GYPB	CSB-CL010075HU2	BC121077	2994	pENTR223.1 or pUC	276
GYPC	CSB-CL010076HU	BC104246	2995	pENTR223.1 or pUC	387
GYPE	CSB-CL010077HU	BC017864	2996	pENTR223.1 or pUC	237
GYS1	CSB-CL010078HU1	BC002617	2997	pENTR223.1 or pUC	2214
GYS1	CSB-CL010078HU2	BC003182	2997	pENTR223.1 or pUC	2022



Name	Code	Accession No.	Gene ID	Vector	Length
GZMA	CSB-CL010081HU	BC015739	3001	pENTR223.1 or pUC	789
GZMB	CSB-CL010082HU	BC030195	3002	pENTR223.1 or pUC	744
GZMH	CSB-CL010083HU	BC027974	2999	pENTR223.1 or pUC	741
GZMM	CSB-CL010085HU	BC025701	3004	pENTR223.1 or pUC	774
H1F0	CSB-CL010087HU	BC000145	3005	pENTR223.1 or pUC	585
H2AFB1	CSB-CL010091HU	BC128034	474382	pENTR223.1 or pUC	348
H2AFJ	CSB-CL887122HU	BC003602	55766	pENTR223.1 or pUC	390
H2AFV	CSB-CL747894HU	BC000098	94239	pENTR223.1	387
H2AFX	CSB-CL010097HU	BC004915	3014	pENTR223.1	432
H2AFY	CSB-CL010098HU	BC013331	9555	pENTR223.1 or pUC	1119
H2AFY2	CSB-CL885785HU	BC016172	55506	pENTR223.1 or pUC	1119
H2AFZ	CSB-CL010100HU	BC018002	3015	pENTR223.1 or pUC	387
H2BFS	CSB-CL010104HU1	BC126339	54145	pENTR223.1 or pUC	381
H2BFS	CSB-CL010104HU2	BC126369	54145	pENTR223.1 or pUC	381
H2BFWT	CSB-CL801796HU	BC121816	158983	pENTR223.1 or pUC	528
HAAO	CSB-CL010112HU	BC029510	23498	pENTR223.1 or pUC	861
HABP2	CSB-CL617919HU	BC031412	3026	pENTR223.1	1683
HACL1	CSB-CL010116HU2	BC007440	26061	pENTR223.1 or pUC	360
HACL1	CSB-CL010116HU1	BC001627	26061	pENTR223.1 or pUC	1737
HADHB	CSB-CL347003HU1	BC014572	3032	pENTR223.1 or pUC	1428
HAGH	CSB-CL624118HU1	BC002627	3029	pENTR223.1 or pUC	783
HAGH	CSB-CL624118HU2	BC000840	3029	pENTR223.1 or pUC	783
HAL	CSB-CL010123HU	BC096097	3034	pENTR223.1 or pUC	1974
HAMP	CSB-CL010124HU	BC020612	57817	pENTR223.1	255
HAND2	CSB-CL010126HU	BC101406	9464	pENTR223.1 or pUC	543
HAO1	CSB-CL891938HU	BC113665	54363	pENTR223.1 or pUC	1113
HAO2	CSB-CL882145HU	BC020863	51179	pENTR223.1 or pUC	1056



Name	Code	Accession No.	Gene ID	Vector	Length
HARS	CSB-CL010137HU	BC011807	3035	pENTR223.1 or pUC	1530
HARS2	CSB-CL010138HU	BC007680	23438	pENTR223.1 or pUC	1521
HAS3	CSB-CL010142HU	BC021853	3038	pENTR223.1 or pUC	846
HAT1	CSB-CL010143HU1	BC018682	8520	pENTR223.1 or pUC	540
HAT1	CSB-CL010143HU2	BC063003	8520	pENTR223.1 or pUC	1005
HAVCR1	CSB-CL010144HU	BC013325	26762	pENTR223.1	1095
HAVCR2	CSB-CL010145HU1	BC063431	84868	pENTR223.1 or pUC	906
HAVCR2	CSB-CL010145HU2	BC020843	84868	pENTR223.1 or pUC	429
HAX1	CSB-CL010146HU1	BC005240	10456	pENTR223.1 or pUC	840
HAX1	CSB-CL010146HU2	BC016730	10456	pENTR223.1 or pUC	840
HAX1	CSB-CL010146HU3	BC014314	10456	pENTR223.1 or pUC	840
HBA1	CSB-CL010147HU	BC005931	3039	pENTR223.1 or pUC	429
HBB	CSB-CL010150HU	BC007075	3043	pENTR223.1 or pUC	444
HBD	CSB-CL010152HU	BC069307	3045	pENTR223.1 or pUC	444
HBE1	CSB-CL010153HU	BC015537	3046	pENTR223.1 or pUC	444
HBEGF	CSB-CL857429HU	BC033097	1839	pENTR223.1 or pUC	627
HBG1	CSB-CL010155HU1	BC010914	3047	pENTR223.1 or pUC	444
HBG1	CSB-CL010155HU2	BC010913	3047	pENTR223.1	444
HBP1	CSB-CL010158HU1	BC017069	26959	pENTR223.1 or pUC	1545
HBQ1	CSB-CL010159HU	BC056686	3049	pENTR223.1 or pUC	429
HBS1L	CSB-CL896718HU	BC001465	10767	pUC	2055
HBXIP	CSB-CL010161HU	BC062619	10542	pENTR223.1 or pUC	522
HBZ	CSB-CL010162HU	BC027892	3050	pENTR223.1 or pUC	429
HCCS	CSB-CL010165HU	BC001691	3052	pENTR223.1	807
HCFC1	CSB-CL010166HU	BC063435	3054	pENTR223.1	1287
HCFC1R1	CSB-CL865161HU	BC080178	54985	pENTR223.1 or pUC	360
HCFC2	CSB-CL897575HU2	BC033799	29915	pENTR223.1 or pUC	2379



Name	Code	Accession No.	Gene ID	Vector	Length
HCK	CSB-CL010211HU	BC014435	3055	pENTR223.1 or pUC	1518
HCLS1	CSB-CL010215HU	BC016758	3059	pENTR223.1	1461
HCN3	CSB-CL868385HU	BC028024	57657	pENTR223.1 or pUC	1341
HDAC1	CSB-CL010235HU	BC000301	3065	pENTR223.1 or pUC	1449
HDAC10	CSB-CL010236HU	BC125083	83933	pENTR223.1 or pUC	2010
HDAC11	CSB-CL010237HU	BC009676	79885	pENTR223.1 or pUC	1044
HDAC3	CSB-CL010239HU	BC000614	8841	pENTR223.1 or pUC	1287
HDAC6	CSB-CL010242HU1	BC005872	10013	pENTR223.1 or pUC	441
HDAC6	CSB-CL010242HU2	BC013737	10013	pUC	3192
HDAC7	CSB-CL010243HU	BC006453	51564	pENTR223.1 or pUC	831
HDAC8	CSB-CL010244HU	BC050433	55869	pENTR223.1 or pUC	1134
HDC	CSB-CL010246HU	BC130527	3067	pUC	1989
HDDC3	CSB-CL836666HU	BC033794	374659	pENTR223.1 or pUC	423
HDGF	CSB-CL010249HU	BC018991	3068	pENTR223.1 or pUC	723
HDGFRP3	CSB-CL896712HU	BC015483	50810	pENTR223.1 or pUC	612
HDHD2	CSB-CL880936HU1	BC038100	84064	pENTR223.1 or pUC	780
HDHD2	CSB-CL880936HU2	BC011894	84064	pENTR223.1 or pUC	510
HDHD3	CSB-CL883592HU	BC005048	81932	pENTR223.1 or pUC	756
HEATR1	CSB-CL862020HU1	BC011983	55127	pENTR223.1 or pUC	1050
HEATR1	CSB-CL862020HU2	BC062442	55127	pENTR223.1 or pUC	363
HEATR2	CSB-CL771471HU	BC010850	54919	pENTR223.1 or pUC	672
HEATR5A	CSB-CL769801HU	BC062720	25938	pENTR223.1 or pUC	342
HEBP2	CSB-CL896539HU	BC008205	23593	pENTR223.1 or pUC	618
HECTD3	CSB-CL725567HU	BC126352	79654	pENTR223.1 or pUC	1734
HEMK1	CSB-CL010285HU	BC000781	51409	pENTR223.1 or pUC	1017
HEPACAM2	CSB-CL010288HU	BC139906	253012	pENTR223.1 or pUC	1353
HERC3	CSB-CL618972HU	BC038960	8916	pENTR223.1 or pUC	1107



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HERC4	CSB-CL682930HU	BC039600	26091	pUC	3150
HERC6	CSB-CL812876HU	BC035775	55008	pENTR223.1 or pUC	1140
HERPUD1	CSB-CL622984HU1	BC009739	9709	pENTR223.1	699
HERPUD2	CSB-CL866272HU	BC005091	64224	pENTR223.1 or pUC	1221
HESX1	CSB-CL871390HU	BC069515	8820	pENTR223.1 or pUC	558
HEXA	CSB-CL010315HU	BC018927	3073	pUC	1590
HEXDC	CSB-CL837856HU	BC035561	284004	pENTR223.1 or pUC	1482
HEXIM1	CSB-CL010318HU	BC006460	10614	pENTR223.1	1080
HEXIM2	CSB-CL846669HU	BC025970	124790	pENTR223.1 or pUC	861
HEYL	CSB-CL865103HU	BC006087	26508	pENTR223.1 or pUC	987
HFE	CSB-CL653744HU	BC117201	3077	pENTR223.1 or pUC	1047
HFE2	CSB-CL765090HU	BC017926	148738	pENTR223.1 or pUC	603
HFM1	CSB-CL010325HU	BC132823	164045	pENTR223.1 or pUC	1416
HGD	CSB-CL842354HU	BC071757	3081	pENTR223.1	1338
HGF	CSB-CL010327HU1	BC063485	3082	pENTR223.1	633
HGF	CSB-CL010327HU2	BC022308	3082	pENTR223.1 or pUC	858
HHAT	CSB-CL719621HU2	BC039071	55733	pENTR223.1 or pUC	1416
HHIPL1	CSB-CL822236HU	BC132877	84439	pENTR223.1 or pUC	1827
HHIPL2	CSB-CL754409HU1	BC015201	79802	pENTR223.1 or pUC	771
HHIPL2	CSB-CL754409HU2	BC016552	79802	pENTR223.1 or pUC	1590
HHLA3	CSB-CL895005HU	BC010922	11147	pENTR223.1 or pUC	366
HIATL1	CSB-CL713104HU	BC021093	84641	pENTR223.1 or pUC	849
HIATL2	CSB-CL713357HU	BC005058	84278	pENTR223.1 or pUC	258
HIBCH	CSB-CL747360HU	BC005190	26275	pUC	1002
HIF1AN	CSB-CL865160HU	BC007719	55662	pENTR223.1 or pUC	1050
HIGD1A	CSB-CL897461HU	BC000601	25994	pENTR223.1 or pUC	282
HIGD1B	CSB-CL889181HU	BC020667	51751	pENTR223.1 or pUC	300



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HIP1	CSB-CL010365HU	BC110545	3092	pUC	3114
HIRIP3	CSB-CL883612HU	BC000588	8479	pENTR223.1 or pUC	1671
HIST1H1C	CSB-CL010378HU	BC002649	3006	pENTR223.1	642
HIST1H1E	CSB-CL010380HU	BC096168	3008	pENTR223.1 or pUC	660
HIST1H1T	CSB-CL010383HU1	BC069517	3010	pENTR223.1 or pUC	666
HIST1H1T	CSB-CL010383HU2	BC130350	3010	pENTR223.1 or pUC	624
HIST1H2AA	CSB-CL822292HU	BC062211	221613	pENTR223.1 or pUC	396
HIST1H2AC	CSB-CL846293HU1	BC017379	8334	pENTR223.1 or pUC	393
HIST1H2AC	CSB-CL846293HU2	BC050602	8334	pENTR223.1 or pUC	393
HIST1H2AG	CSB-CL010389HU	BC016677	8969	pENTR223.1 or pUC	393
HIST1H2AH	CSB-CL850325HU	BC134366	85235	pENTR223.1 or pUC	387
HIST1H2AJ	CSB-CL859946HU1	BC066234	8331	pENTR223.1 or pUC	387
HIST1H2AJ	CSB-CL859946HU2	BC066232	8331	pENTR223.1 or pUC	387
HIST1H2BB	CSB-CL010402HU	BC096728	3018	pENTR223.1 or pUC	381
HIST1H2BC	CSB-CL010403HU	BC009612	8347	pENTR223.1 or pUC	381
HIST1H2BD	CSB-CL010404HU	BC096122	3017	pENTR223.1 or pUC	381
HIST1H2BH	CSB-CL821893HU	BC096116	8345	pENTR223.1 or pUC	381
HIST1H2BJ	CSB-CL010410HU	BC014312	8970	pENTR223.1 or pUC	237
HIST1H2BK	CSB-CL010411HU	BC000893	85236	pENTR223.1 or pUC	381
HIST1H2BN	CSB-CL857877HU1	BC011372	8341	pENTR223.1 or pUC	501
HIST1H2BN	CSB-CL857877HU2	BC009783	8341	pENTR223.1 or pUC	381
HIST1H2BO	CSB-CL010415HU	BC106720	8348	pENTR223.1 or pUC	381
HIST1H3A	CSB-CL010418HU	BC069303	8350	pENTR223.1 or pUC	411
HIST1H4A	CSB-CL010429HU	BC069654	8359	pENTR223.1 or pUC	312
HIST1H4G	CSB-CL859512HU	BC126276	8369	pENTR223.1 or pUC	297
HIST2H2AC	CSB-CL614989HU	BC060324	8338	pENTR223.1 or pUC	390
HIST2H2BE	CSB-CL620981HU1	BC069193	8349	pENTR223.1 or pUC	381



Name	Code	Accession No.	Gene ID	Vector	Length
HIST2H2BE	CSB-CL620981HU2	BC096121	8349	pENTR223.1 or pUC	381
HIST2H3A	CSB-CL744479HU	BC015544	333932	pENTR223.1 or pUC	411
HIST3H2BB	CSB-CL818686HU	BC100855	128312	pENTR223.1 or pUC	381
HJURP	CSB-CL010467HU	BC001940	55355	pENTR223.1 or pUC	1449
HK1	CSB-CL010468HU	BC008730	3098	pENTR223.1 or pUC	2754
HK3	CSB-CL010471HU	BC028129	3101	pENTR223.1 or pUC	2772
HKDC1	CSB-CL647983HU1	BC021278	80201	pENTR223.1 or pUC	1284
HLA-A	CSB-CL318036HU1	BC019236	3105	pENTR223.1	1098
HLA-A	CSB-CL318036HU2	BC003069	3105	pENTR223.1	1098
HLA-A	CSB-CL318036HU3	BC008611	3105	pENTR223.1 or pUC	1098
HLA-B	CSB-CL319179HU	BC013187	3106	pENTR223.1 or pUC	1089
HLA-C	CSB-CL320739HU1	BC008457	3107	pENTR223.1	1119
HLA-C	CSB-CL320739HU2	BC002463	3107	pENTR223.1	1101
HLA-DMA	CSB-CL338892HU	BC011447	3108	pENTR223.1 or pUC	786
HLA-DMB	CSB-CL333326HU	BC027175	3109	pENTR223.1	792
HLA-DOA	CSB-CL356784HU	BC013183	3111	pENTR223.1 or pUC	753
HLA-DOB	CSB-CL318411HU1	BC006097	3112	pENTR223.1 or pUC	822
HLA-DOB	CSB-CL318411HU2	BC020226	3112	pENTR223.1 or pUC	300
HLA-DPA1	CSB-CL010487HU	BC009956	3113	pENTR223.1 or pUC	783
HLA-DPB1	CSB-CL361267HU1	BC015000	3115	pENTR223.1 or pUC	774
HLA-DPB1	CSB-CL361267HU2	BC007963	3115	pENTR223.1 or pUC	777
HLA-DPB1	CSB-CL361267HU3	BC013184	3115	pENTR223.1 or pUC	777
HLA-DQA1	CSB-CL365686HU1	BC008585	3117	pENTR223.1 or pUC	765
HLA-DQA1	CSB-CL365686HU2	BC125044	3117	pENTR223.1 or pUC	765
HLA-DQA1	CSB-CL365686HU3	BC125045	3117	pENTR223.1 or pUC	765
HLA-DQB1	CSB-CL355782HU	BC012106	3119	pENTR223.1	786
HLA-DQB2	CSB-CL356544HU	BC031995	3120	pENTR223.1 or pUC	696



Name	Code	Accession No.	Gene ID	Vector	Length
HLA-DRA	CSB-CL360793HU1	BC032350	3122	pENTR223.1 or pUC	765
HLA-DRA	CSB-CL360793HU2	BC071659	3122	pENTR223.1 or pUC	765
HLA-DRB1	CSB-CL319586HU1	BC007920	3123	pENTR223.1 or pUC	801
HLA-DRB1	CSB-CL319586HU2	BC033827	3123	pENTR223.1 or pUC	801
HLA-DRB1	CSB-CL319586HU3	BC008403	3123	pENTR223.1 or pUC	801
HLA-DRB1	CSB-CL319586HU4	BC031023	3123	pENTR223.1	801
HLA-DRB1	CSB-CL319586HU5	BC108922	3123	pENTR223.1 or pUC	801
HLA-DRB3	CSB-CL302920HU1	BC001023	3125	pENTR223.1 or pUC	801
HLA-DRB3	CSB-CL302920HU2	BC008987	3125	pENTR223.1 or pUC	801
HLA-DRB4	CSB-CL320271HU	BC005312	3126	pUC	801
HLA-DRB5	CSB-CL657235HU	BC009234	3127	pENTR223.1 or pUC	801
HLA-E	CSB-CL320269HU	BC002578	3133	pENTR223.1 or pUC	1077
HLA-F	CSB-CL335552HU1	BC009260	3134	pENTR223.1 or pUC	1329
HLA-F	CSB-CL335552HU2	BC062991	3134	pENTR223.1 or pUC	1041
HLF	CSB-CL010519HU	BC036093	3131	pENTR223.1	888
HM13	CSB-CL851544HU2	BC062595	81502	pENTR223.1 or pUC	1134
HMBOX1	CSB-CL754126HU1	BC009259	79618	pENTR223.1 or pUC	930
HMBOX1	CSB-CL754126HU2	BC069242	79618	pENTR223.1 or pUC	1263
HMBS	CSB-CL010524HU	BC000520	3145	pENTR223.1	1086
HMG20A	CSB-CL865090HU	BC021959	10363	pENTR223.1 or pUC	1044
HMGA1	CSB-CL010545HU1	BC004924	3159	pENTR223.1	291
HMGA1	CSB-CL010545HU2	BC008832	3159	pENTR223.1	324
HMGB1	CSB-CL010553HU1	BC003378	3146	pENTR223.1	648
HMGB1	CSB-CL010553HU2	BC030981	3146	pENTR223.1 or pUC	648
HMGB2	CSB-CL010560HU1	BC001063	3148	pENTR223.1	630
HMGB2	CSB-CL010560HU2	BC000903	3148	pENTR223.1	588
HMGB3	CSB-CL010561HU	BC070482	3149	pENTR223.1 or pUC	603



Name	Code	Accession No.	Gene ID	Vector	Length
HMGB4	CSB-CL851975HU1	BC021180	127540	pENTR223.1 or pUC	561
HMGB4	CSB-CL851975HU2	BC070148	127540	pENTR223.1 or pUC	339
HMGCL	CSB-CL010563HU	BC010570	3155	pENTR223.1 or pUC	978
HMGCLL1	CSB-CL851531HU	BC024194	54511	pENTR223.1 or pUC	1023
HMGCR	CSB-CL010565HU	BC033692	3156	pENTR223.1 or pUC	2508
HMGN1	CSB-CL010568HU	BC000075	3150	pENTR223.1 or pUC	303
HMGN2	CSB-CL010570HU	BC014644	3151	pENTR223.1 or pUC	273
HMGN3	CSB-CL623009HU	BC009529	9324	pENTR223.1 or pUC	234
HMGN4	CSB-CL010576HU	BC001282	10473	pENTR223.1 or pUC	273
HMOX1	CSB-CL010583HU	BC001491	3162	pENTR223.1	867
HMOX2	CSB-CL010584HU	BC002396	3163	pENTR223.1 or pUC	951
HN1	CSB-CL890732HU	BC001420	51155	pENTR223.1 or pUC	465
HN1L	CSB-CL867176HU	BC014438	90861	pENTR223.1 or pUC	573
HNMT	CSB-CL010598HU1	BC005907	3176	pENTR223.1 or pUC	156
HNMT	CSB-CL010598HU2	BC020677	3176	pENTR223.1 or pUC	879
HNRNPA1	CSB-CL010600HU2	BC121133	3178	pENTR223.1 or pUC	963
HNRNPA2B1	CSB-CL010602HU	BC000506	3181	pENTR223.1 or pUC	750
HNRNPA3	CSB-CL010603HU	BC113470	220988	pENTR223.1 or pUC	1137
HNRNPC	CSB-CL010605HU1	BC003394	3183	pENTR223.1 or pUC	882
HNRNPC	CSB-CL010605HU2	BC008364	3183	pENTR223.1	882
HNRNPC	CSB-CL010605HU3	BC007052	3183	pENTR223.1 or pUC	921
HNRNPC	CSB-CL010605HU4	BC008423	3183	pENTR223.1	921
HNRNPF	CSB-CL010608HU1	BC016736	3185	pENTR223.1	1248
HNRNPF	CSB-CL010608HU2	BC004254	3185	pENTR223.1 or pUC	1248
HNRNPF	CSB-CL010608HU3	BC001432	3185	pENTR223.1 or pUC	1248
HNRNPH2	CSB-CL346289HU1	BC130343	3188	pENTR223.1 or pUC	1350
HNRNPH2	CSB-CL346289HU2	BC130345	3188	pENTR223.1 or pUC	1350



Name	Code	Accession No.	Gene ID	Vector	Length
HNRNPK	CSB-CL010611HU1	BC014980	3190	pENTR223.1 or pUC	1392
HNRNPK	CSB-CL010611HU2	BC000355	3190	pENTR223.1 or pUC	1395
HNRNPM	CSB-CL010613HU	BC000138	4670	pENTR223.1 or pUC	2193
HNRNPR	CSB-CL010614HU	BC001449	10236	pENTR223.1 or pUC	1911
HNRNPUL1	CSB-CL887127HU1	BC004242	11100	pENTR223.1 or pUC	369
HNRPDL	CSB-CL010628HU	BC007392	9987	pENTR223.1 or pUC	906
HNRPLL	CSB-CL010630HU2	BC008217	92906	pENTR223.1	828
HNRPLL	CSB-CL010630HU1	BC017480	92906	pENTR223.1	1629
HOMER1	CSB-CL773061HU	BC015502	9456	pENTR223.1 or pUC	1065
HOMER2	CSB-CL885720HU	BC012109	9455	pENTR223.1 or pUC	1032
HOMER3	CSB-CL878880HU	BC012113	9454	pENTR223.1 or pUC	1086
HOMEZ	CSB-CL811618HU	BC130392	57594	pENTR223.1 or pUC	1578
HOOK1	CSB-CL891526HU	BC011621	51361	pENTR223.1 or pUC	2187
HOPX	CSB-CL859411HU	BC014225	84525	pENTR223.1 or pUC	222
HORMAD1	CSB-CL803140HU	BC047406	84072	pENTR223.1 or pUC	1185
HORMAD2	CSB-CL836683HU	BC030013	150280	pENTR223.1 or pUC	924
HOXA1	CSB-CL010647HU	BC032547	3198	pENTR223.1 or pUC	1008
HOXA10	CSB-CL010648HU	BC071843	3206	pENTR223.1	285
HOXA6	CSB-CL010656HU	BC069497	3203	pENTR223.1 or pUC	702
HOXA9	CSB-CL010658HU	BC006537	3205	pENTR223.1 or pUC	819
HOXB1	CSB-CL010660HU	BC096192	3211	pENTR223.1 or pUC	708
HOXB13	CSB-CL842162HU	BC007092	10481	pENTR223.1 or pUC	855
HOXB5	CSB-CL010665HU	BC117247	3215	pENTR223.1 or pUC	810
HOXB7	CSB-CL010667HU	BC015345	3217	pENTR223.1 or pUC	654
HOXB9	CSB-CL010669HU	BC015565	3219	pENTR223.1 or pUC	753
HOXC10	CSB-CL865177HU	BC001293	3226	pENTR223.1 or pUC	1029
HOXC11	CSB-CL010672HU	BC001543	3227	pENTR223.1 or pUC	915



Name	Code	Accession No.	Gene ID	Vector	Length
HOXC9	CSB-CL010679HU	BC053894	3225	pENTR223.1 or pUC	783
HOXD10	CSB-CL010682HU	BC069619	3236	pENTR223.1 or pUC	1023
HOXD12	CSB-CL010684HU	BC121103	3238	pENTR223.1 or pUC	654
HP	CSB-CL010691HU1	BC058031	3240	pENTR223.1 or pUC	687
HP	CSB-CL010691HU2	BC121125	3240	pENTR223.1 or pUC	1221
HP1BP3	CSB-CL722547HU1	BC032139	50809	pENTR223.1 or pUC	402
HP1BP3	CSB-CL722547HU2	BC046170	50809	pENTR223.1 or pUC	1032
HPCAL1	CSB-CL010695HU	BC009846	3241	pENTR223.1	582
HPCAL4	CSB-CL891785HU	BC030827	51440	pENTR223.1 or pUC	576
HPD	CSB-CL010698HU	BC024287	3242	pENTR223.1 or pUC	1182
HPGD	CSB-CL010702HU	BC018986	3248	pENTR223.1 or pUC	801
HPN	CSB-CL010704HU	BC025716	3249	pENTR223.1 or pUC	1254
HPRT1	CSB-CL010706HU	BC000578	3251	pENTR223.1 or pUC	657
HPS1	CSB-CL856438HU	BC000175	3257	pENTR223.1 or pUC	975
HPSE	CSB-CL010716HU	BC051321	10855	pENTR223.1 or pUC	1632
HPSE2	CSB-CL823898HU	BC112356	60495	pENTR223.1 or pUC	1779
HPX	CSB-CL010723HU	BC005395	3263	pENTR223.1	765
HRASLS5	CSB-CL842699HU	BC034222	117245	pENTR223.1 or pUC	810
HRSP12	CSB-CL010744HU	BC010280	10247	pENTR223.1 or pUC	414
HS1BP3	CSB-CL703623HU1	BC027947	64342	pENTR223.1 or pUC	642
HS1BP3	CSB-CL703623HU2	BC057389	64342	pENTR223.1 or pUC	642
HS2ST1	CSB-CL010746HU	BC025384	9653	pENTR223.1 or pUC	690
HS3ST1	CSB-CL010747HU	BC057803	9957	pENTR223.1 or pUC	924
HS6ST2	CSB-CL846670HU	BC110621	90161	pENTR223.1 or pUC	1818
HSBP1	CSB-CL010760HU	BC007515	3281	pENTR223.1 or pUC	231
HSD11B1	CSB-CL010763HU	BC012593	3290	pENTR223.1 or pUC	879
HSD11B1L	CSB-CL770354HU2	BC018336	374875	pENTR223.1 or pUC	264



Name	Code	Accession No.	Gene ID	Vector	Length
HSD17B10	CSB-CL860776HU1	BC008708	3028	pENTR223.1 or pUC	759
HSD17B10	CSB-CL860776HU2	BC000372	3028	pENTR223.1 or pUC	786
HSD17B11	CSB-CL843318HU1	BC014327	51170	pENTR223.1 or pUC	903
HSD17B11	CSB-CL843318HU2	BC008650	51170	pENTR223.1 or pUC	903
HSD17B11	CSB-CL843318HU3	BC036001	51170	pENTR223.1 or pUC	903
HSD17B12	CSB-CL687494HU1	BC012043	51144	pENTR223.1 or pUC	939
HSD17B13	CSB-CL801815HU	BC112303	345275	pENTR223.1 or pUC	903
HSD17B14	CSB-CL859026HU	BC006283	51171	pENTR223.1 or pUC	813
HSD17B2	CSB-CL010772HU	BC009581	3294	pENTR223.1 or pUC	1164
HSD17B3	CSB-CL010773HU	BC034281	3293	pENTR223.1 or pUC	933
HSD17B4	CSB-CL010774HU	BC003098	3295	pENTR223.1 or pUC	2211
HSD17B6	CSB-CL010775HU	BC020710	8630	pENTR223.1 or pUC	954
HSD17B7	CSB-CL010776HU1	BC007068	51478	pENTR223.1 or pUC	1026
HSD17B7	CSB-CL010776HU2	BC065246	51478	pENTR223.1 or pUC	1026
HSD3B1	CSB-CL010781HU	BC031999	3283	pENTR223.1	1122
HSD3B2	CSB-CL010782HU	BC038419	3284	pENTR223.1 or pUC	1119
HSD3B7	CSB-CL861999HU	BC004929	80270	pENTR223.1 or pUC	1110
HSDL1	CSB-CL664853HU1	BC018084	83693	pENTR223.1 or pUC	993
HSDL1	CSB-CL664853HU2	BC104218	83693	pENTR223.1 or pUC	993
HSDL2	CSB-CL761576HU	BC004331	84263	pENTR223.1 or pUC	1038
HSFY1	CSB-CL853455HU1	BC036567	86614	pENTR223.1 or pUC	1206
HSFY1	CSB-CL853455HU2	BC055414	86614	pENTR223.1 or pUC	645
HSP90AA1	CSB-CL010802HU2	BC121062	3320	pENTR223.1	2199
HSP90AB1	CSB-CL010808HU2	BC004928	3326	pENTR223.1	2175
HSP90B1	CSB-CL010814HU	BC009195	7184	pENTR223.1 or pUC	948
HSPA12B	CSB-CL822262HU	BC117284	116835	pUC	2061
HSPA13	CSB-CL010819HU	BC036370	6782	pENTR223.1 or pUC	1416



Name	Code	Accession No.	Gene ID	Vector	Length
HSPA14	CSB-CL605765HU1	BC065281	51182	pENTR223.1 or pUC	267
HSPA14	CSB-CL605765HU2	BC119690	51182	pENTR223.1 or pUC	1530
HSPA1A	CSB-CL357302HU	BC009322	3303	pENTR223.1 or pUC	1926
HSPA1L	CSB-CL010823HU	BC034483	3305	pENTR223.1 or pUC	1926
HSPA2	CSB-CL010824HU1	BC036107	3306	pENTR223.1 or pUC	1920
HSPA4	CSB-CL010825HU1	BC002526	3308	pENTR223.1 or pUC	447
HSPA8	CSB-CL010829HU1	BC019816	3312	pENTR223.1	1941
HSPA8	CSB-CL010829HU2	BC016179	3312	pENTR223.1 or pUC	1941
HSPA8	CSB-CL010829HU3	BC007276	3312	pENTR223.1 or pUC	1761
HSPA9	CSB-CL010830HU	BC000478	3313	pENTR223.1	2040
HSPB11	CSB-CL897286HU	BC005245	51668	pENTR223.1 or pUC	435
HSPB2	CSB-CL614956HU	BC109393	3316	pENTR223.1 or pUC	549
HSPB7	CSB-CL890668HU	BC006319	27129	pENTR223.1	513
HSPB8	CSB-CL891531HU	BC002673	26353	pENTR223.1 or pUC	591
HSPBAP1	CSB-CL853412HU1	BC011897	79663	pENTR223.1 or pUC	1467
HSPBAP1	CSB-CL853412HU2	BC063629	79663	pENTR223.1 or pUC	678
HSPBAP1	CSB-CL853412HU3	BC017763	79663	pENTR223.1 or pUC	603
HSPD1	CSB-CL010847HU1	BC002676	3329	pENTR223.1	1722
HSPD1	CSB-CL010847HU2	BC003030	3329	pENTR223.1 or pUC	1722
HSPD1	CSB-CL010847HU3	BC067082	3329	pENTR223.1 or pUC	1722
HSPH1	CSB-CL852885HU	BC037553	10808	pENTR223.1 or pUC	2577
HTATIP2	CSB-CL863125HU	BC002439	10553	pENTR223.1 or pUC	729
HTN3	CSB-CL010879HU	BC009791	3347	pENTR223.1	156
HTR1B	CSB-CL010882HU	BC096207	3351	pENTR223.1 or pUC	1173
HTR1D	CSB-CL010883HU	BC007720	3352	pENTR223.1 or pUC	1134
HTR1E	CSB-CL010885HU	BC069751	3354	pENTR223.1 or pUC	1098
HTR2A	CSB-CL010887HU	BC069356	3356	pENTR223.1 or pUC	1416



Name	Code	Accession No.	Gene ID	Vector	Length
HTR2B	CSB-CL010888HU	BC063123	3357	pENTR223.1	1446
HTR3C	CSB-CL855497HU	BC131799	170572	pENTR223.1 or pUC	1344
HTR3D	CSB-CL747864HU	BC101090	200909	pENTR223.1	702
HTR3E	CSB-CL010894HU	BC101185	285242	pENTR223.1	1125
HTR5A	CSB-CL010896HU	BC113468	3361	pENTR223.1 or pUC	1074
HUS1	CSB-CL010909HU	BC007013	3364	pENTR223.1 or pUC	843
HVCN1	CSB-CL846602HU1	BC009731	84329	pENTR223.1 or pUC	822
HVCN1	CSB-CL846602HU2	BC007277	84329	pENTR223.1 or pUC	711
HYAL1	CSB-CL623651HU	BC035695	3373	pENTR223.1 or pUC	1308
HYAL2	CSB-CL618635HU	BC000692	8692	pENTR223.1 or pUC	1422
HYAL3	CSB-CL010920HU1	BC012892	8372	pENTR223.1 or pUC	1254
HYAL3	CSB-CL010920HU2	BC005896	8372	pENTR223.1 or pUC	1254
HYDIN	CSB-CL670104HU	BC028351	54768	pENTR223.1 or pUC	2127
HYI	CSB-CL719395HU1	BC019041	81888	pENTR223.1 or pUC	525
HYI	CSB-CL719395HU2	BC006140	81888	pENTR223.1 or pUC	654
HYLS1	CSB-CL846663HU	BC015047	219844	pENTR223.1 or pUC	861
HYOU1	CSB-CL896895HU	BC004560	10525	pENTR223.1 or pUC	444
HYPK	CSB-CL885751HU	BC019262	25764	pENTR223.1 or pUC	390
IARS2	CSB-CL868313HU	BC010218	55699	pUC	2103
IBTK	CSB-CL882177HU	BC113696	25998	pUC	4062
ICA1	CSB-CL010947HU1	BC005922	3382	pENTR223.1 or pUC	1026
ICA1	CSB-CL010947HU2	BC008640	3382	pENTR223.1	1449
ICA1L	CSB-CL847691HU	BC000993	130026	pENTR223.1 or pUC	564
ICAM1	CSB-CL010949HU	BC015969	3383	pENTR223.1	1599
ICAM2	CSB-CL010950HU	BC003097	3384	pENTR223.1 or pUC	828
ICAM4	CSB-CL619892HU	BC000046	3386	pENTR223.1 or pUC	819
ICK	CSB-CL891800HU	BC035807	22858	pENTR223.1	879



Name	Code	Accession No.	Gene ID	Vector	Length
ICOSLG	CSB-CL010958HU	BC064637	23308	pENTR223.1 or pUC	909
ID1	CSB-CL010966HU	BC000613	3397	pENTR223.1	468
ID3	CSB-CL010969HU	BC003107	3399	pENTR223.1	360
IDE	CSB-CL010988HU	BC096336	3416	pUC	3060
IDH1	CSB-CL010989HU	BC012846	3417	pENTR223.1 or pUC	1245
IDH3A	CSB-CL010991HU	BC021967	3419	pENTR223.1 or pUC	1101
IDH3B	CSB-CL010992HU	BC001960	3420	pENTR223.1 or pUC	1158
IDH3G	CSB-CL010993HU1	BC001902	3421	pENTR223.1 or pUC	1182
IDH3G	CSB-CL010993HU2	BC000933	3421	pENTR223.1 or pUC	1182
IDI1	CSB-CL619796HU1	BC005247	3422	pENTR223.1 or pUC	687
IDI1	CSB-CL619796HU2	BC006999	3422	pENTR223.1 or pUC	687
IDI1	CSB-CL619796HU3	BC019227	3422	pENTR223.1 or pUC	687
IDI2	CSB-CL871603HU	BC017778	91734	pENTR223.1 or pUC	684
IDS	CSB-CL010998HU	BC006170	3423	pENTR223.1 or pUC	939
IER2	CSB-CL871574HU	BC003625	9592	pENTR223.1	672
IFFO1	CSB-CL011006HU1	BC004384	25900	pENTR223.1 or pUC	603
IFI27	CSB-CL011009HU	BC015492	3429	pUC	360
IFI27L1	CSB-CL836188HU	BC015423	122509	pENTR223.1 or pUC	315
IFI27L2	CSB-CL884454HU	BC032626	83982	pENTR223.1 or pUC	393
IFI30	CSB-CL011012HU1	BC021136	10437	pENTR223.1 or pUC	753
IFI30	CSB-CL011012HU2	BC031020	10437	pENTR223.1 or pUC	753
IFI44	CSB-CL011014HU	BC022870	10561	pENTR223.1 or pUC	1335
IFI44L	CSB-CL011015HU	BC015932	10964	pENTR223.1 or pUC	1242
IFIT1	CSB-CL011018HU	BC007091	3434	pENTR223.1 or pUC	1437
IFIT2	CSB-CL011021HU	BC032839	3433	pENTR223.1 or pUC	1455
IFIT3	CSB-CL011022HU1	BC001383	3437	pENTR223.1	1473
IFIT3	CSB-CL011022HU2	BC004977	3437	pENTR223.1 or pUC	1473



Name	Code	Accession No.	Gene ID	Vector	Length
IFIT5	CSB-CL011023HU	BC025786	24138	pUC	1449
IFITM1	CSB-CL011024HU	BC000897	8519	pENTR223.1 or pUC	378
IFITM2	CSB-CL011025HU	BC009696	10581	pENTR223.1 or pUC	399
IFLTD1	CSB-CL854083HU	BC037957	160492	pENTR223.1 or pUC	876
IFNA1	CSB-CL365592HU	BC112300	3439	pENTR223.1 or pUC	570
IFNA10	CSB-CL011033HU	BC103972	3446	pENTR223.1 or pUC	570
IFNA21	CSB-CL011039HU	BC069329	3452	pENTR223.1 or pUC	570
IFNA4	CSB-CL011040HU1	BC113640	3441	pENTR223.1 or pUC	570
IFNA4	CSB-CL011040HU2	BC113642	3441	pENTR223.1 or pUC	570
IFNA6	CSB-CL011042HU	BC098357	3443	pENTR223.1 or pUC	570
IFNAR1	CSB-CL011046HU	BC021825	3454	pENTR223.1	1674
IFNAR2	CSB-CL011047HU	BC002793	3455	pENTR223.1 or pUC	996
IFNB1	CSB-CL011048HU	BC096150	3456	pENTR223.1	564
IFNG	CSB-CL011050HU	BC070256	3458	pENTR223.1	501
IFNGR1	CSB-CL011051HU	BC005333	3459	pENTR223.1 or pUC	1470
IFNW1	CSB-CL011061HU	BC117290	3467	pENTR223.1 or pUC	588
IFRD1	CSB-CL011069HU	BC001272	3475	pENTR223.1 or pUC	1356
IFRD2	CSB-CL011070HU	BC001676	7866	pENTR223.1 or pUC	1329
IFT20	CSB-CL810295HU1	BC038094	90410	pENTR223.1 or pUC	399
IFT20	CSB-CL810295HU2	BC002640	90410	pENTR223.1 or pUC	447
IFT52	CSB-CL896883HU	BC039831	51098	pENTR223.1 or pUC	1314
IFT57	CSB-CL865156HU	BC011899	55081	pENTR223.1 or pUC	1290
IFT80	CSB-CL885802HU	BC113669	57560	pENTR223.1 or pUC	2334
IFT81	CSB-CL823910HU1	BC004536	28981	pENTR223.1 or pUC	1296
IFT81	CSB-CL823910HU2	BC029349	28981	pENTR223.1 or pUC	324
IGF1R	CSB-CL011087HU1	BC010607	3480	pENTR223.1 or pUC	168
IGF1R	CSB-CL011087HU2	BC113610	3480	pUC	4104



Name	Code	Accession No.	Gene ID	Vector	Length
IGF2	CSB-CL011088HU1	BC000531	3481	pENTR223.1	543
IGF2	CSB-CL011088HU2	BC042127	3481	pENTR223.1	342
IGF2BP2	CSB-CL897316HU	BC021290	10644	pENTR223.1 or pUC	1797
IGF2BP3	CSB-CL011092HU2	BC051296	10643	pENTR223.1 or pUC	303
IGFL3	CSB-CL757792HU	BC130593	388555	pENTR223.1 or pUC	378
IGHA1	CSB-CL011111HU3	BC016369	3493	pENTR223.1 or pUC	1491
IGHA1	CSB-CL011111HU1	BC005951	3493	pENTR223.1 or pUC	1503
IGHA1	CSB-CL011111HU2	BC032249	3493	pENTR223.1 or pUC	1500
IGHD	CSB-CL011113HU1	BC021276	3495	pENTR223.1 or pUC	1722
IGHD	CSB-CL011113HU2	BC063384	3495	pENTR223.1 or pUC	1731
IGHG1	CSB-CL011156HU2	BC014258	3500	pENTR223.1 or pUC	1413
IGHG1	CSB-CL011156HU4	BC014667	3500	pENTR223.1	1440
IGHG1	CSB-CL011156HU6	BC025314	3500	pENTR223.1	1413
IGHG1	CSB-CL011156HU7	BC018747	3500	pENTR223.1 or pUC	1413
IGHG1	CSB-CL011156HU8	BC067091	3500	pENTR223.1 or pUC	1428
IGHG1	CSB-CL011156HU9	BC066642	3500	pENTR223.1 or pUC	1227
IGHG1	CSB-CL011156HU10	BC064496	3500	pENTR223.1 or pUC	1401
IGHG1	CSB-CL011156HU11	BC051328	3500	pENTR223.1 or pUC	1410
IGHG1	CSB-CL011156HU5	BC019046	3500	pENTR223.1 or pUC	1635
IGHM	CSB-CL360788HU3	BC016381	3507	pENTR223.1 or pUC	1443
IGHM	CSB-CL360788HU1	BC002963	3507	pENTR223.1	1794
IGHM	CSB-CL360788HU2	BC001872	3507	pENTR223.1 or pUC	1794
IGHM	CSB-CL360788HU4	BC009851	3507	pENTR223.1 or pUC	1845
IGHM	CSB-CL360788HU5	BC011857	3507	pENTR223.1 or pUC	1863
IGHM	CSB-CL360788HU6	BC017356	3507	pENTR223.1 or pUC	1878
IGHM	CSB-CL360788HU7	BC015760	3507	pENTR223.1 or pUC	1794
IGHM	CSB-CL360788HU8	BC019235	3507	pENTR223.1 or pUC	1788



Name	Code	Accession No.	Gene ID	Vector	Length
IGKC	CSB-CL011340HU1	BC056256	3514	pENTR223.1 or pUC	705
IGKC	CSB-CL011340HU2	BC034141	3514	pENTR223.1 or pUC	711
IGKC	CSB-CL011340HU3	BC067092	3514	pENTR223.1 or pUC	714
IGKC	CSB-CL011340HU4	BC110394	3514	pENTR223.1	723
IGKV1-5	CSB-CL011359HU1	BC030814	28299	pENTR223.1 or pUC	720
IGKV1-5	CSB-CL011359HU2	BC034146	28299	pENTR223.1 or pUC	711
IGKV1-5	CSB-CL011359HU3	BC034142	28299	pENTR223.1 or pUC	723
IGLC1	CSB-CL011452HU	BC007782	3537	pENTR223.1	702
IGSF11	CSB-CL691547HU	BC034411	152404	pENTR223.1 or pUC	1293
IGSF6	CSB-CL011564HU	BC017844	10261	pENTR223.1 or pUC	726
IHH	CSB-CL622779HU	BC034757	3549	pENTR223.1 or pUC	882
IK	CSB-CL613381HU	BC071964	3550	pENTR223.1 or pUC	1674
IKZF1	CSB-CL621668HU	BC018349	10320	pENTR223.1 or pUC	1434
IKZF2	CSB-CL892138HU	BC028936	22807	pENTR223.1 or pUC	1503
IKZF3	CSB-CL892336HU	BC032707	22806	pENTR223.1 or pUC	1530
IKZF5	CSB-CL863986HU	BC022564	64376	pENTR223.1 or pUC	1263
IL10	CSB-CL011580HU	BC104252	3586	pENTR223.1	537
IL10RA	CSB-CL621688HU	BC028082	3587	pENTR223.1 or pUC	1737
IL11RA	CSB-CL623927HU	BC003110	3590	pENTR223.1 or pUC	1269
IL12RB1	CSB-CL011588HU	BC029121	3594	pENTR223.1 or pUC	1146
IL13	CSB-CL011590HU	BC096139	3596	pENTR223.1	441
IL13RA2	CSB-CL618901HU	BC020739	3598	pENTR223.1 or pUC	1143
IL15	CSB-CL011593HU	BC018149	3600	pENTR223.1	489
IL16	CSB-CL619856HU	BC040272	3603	pENTR223.1 or pUC	1365
IL17A	CSB-CL624104HU1	BC066251	3605	pENTR223.1 or pUC	468
IL17A	CSB-CL624104HU2	BC067505	3605	pENTR223.1	468
IL17B	CSB-CL890693HU	BC113925	27190	pENTR223.1 or pUC	543



Name	Code	Accession No.	Gene ID	Vector	Length
IL17F	CSB-CL842733HU	BC070124	112744	pENTR223.1 or pUC	492
IL18	CSB-CL614514HU	BC007007	3606	pENTR223.1	582
IL18BP	CSB-CL011609HU	BC044215	10068	pENTR223.1 or pUC	585
IL1A	CSB-CL011613HU	BC013142	3552	pENTR223.1 or pUC	816
IL1B	CSB-CL011614HU	BC008678	3553	pENTR223.1	810
IL1F10	CSB-CL837869HU	BC103966	84639	pENTR223.1 or pUC	459
IL1R1	CSB-CL011621HU	BC067506	3554	pENTR223.1 or pUC	1710
IL1R2	CSB-CL011622HU	BC039031	7850	pENTR223.1 or pUC	1197
IL1RAP	CSB-CL878844HU	BC053621	3556	pENTR223.1 or pUC	1071
IL1RAPL1	CSB-CL889161HU2	BC126345	11141	pUC	2091
IL1RL2	CSB-CL888016HU	BC107064	8808	pENTR223.1 or pUC	1374
IL1RN	CSB-CL011628HU	BC009745	3557	pENTR223.1	480
IL2	CSB-CL011629HU	BC066257	3558	pENTR223.1	462
IL20	CSB-CL873699HU	BC069311	50604	pENTR223.1 or pUC	531
IL20RB	CSB-CL740921HU1	BC027449	53833	pENTR223.1 or pUC	510
IL20RB	CSB-CL740921HU2	BC033292	53833	pENTR223.1 or pUC	444
IL20RB	CSB-CL740921HU3	BC063696	53833	pENTR223.1 or pUC	936
IL21	CSB-CL872537HU1	BC066262	59067	pENTR223.1 or pUC	489
IL21	CSB-CL872537HU2	BC066259	59067	pENTR223.1 or pUC	489
IL21R	CSB-CL862061HU	BC004348	50615	pENTR223.1 or pUC	1617
IL22	CSB-CL867113HU	BC069308	50616	pENTR223.1	540
IL22RA1	CSB-CL822717HU	BC029273	58985	pENTR223.1 or pUC	1725
IL22RA2	CSB-CL850247HU	BC125167	116379	pENTR223.1 or pUC	696
IL23A	CSB-CL868278HU1	BC067511	51561	pENTR223.1	570
IL23A	CSB-CL868278HU2	BC066268	51561	pENTR223.1 or pUC	570
IL23R	CSB-CL733162HU	BC040720	149233	pENTR223.1 or pUC	684
IL24	CSB-CL613378HU	BC009681	11009	pENTR223.1 or pUC	624



Name	Code	Accession No.	Gene ID	Vector	Length
IL25	CSB-CL875653HU	BC069565	64806	pENTR223.1	534
IL26	CSB-CL873613HU1	BC066270	55801	pENTR223.1	516
IL26	CSB-CL873613HU2	BC066271	55801	pENTR223.1	516
IL27	CSB-CL847702HU	BC062422	246778	pENTR223.1 or pUC	732
IL27RA	CSB-CL761488HU	BC028003	9466	pENTR223.1 or pUC	1911
IL28B	CSB-CL810313HU	BC130314	282617	pENTR223.1 or pUC	591
IL29	CSB-CL811596HU1	BC117482	282618	pENTR223.1 or pUC	603
IL29	CSB-CL811596HU2	BC126183	282618	pENTR223.1	603
IL2RB	CSB-CL011650HU	BC025691	3560	pENTR223.1 or pUC	1656
IL2RG	CSB-CL011651HU	BC014972	3561	pENTR223.1 or pUC	1110
IL3	CSB-CL011652HU	BC069472	3562	pENTR223.1	459
IL31RA	CSB-CL854162HU	BC110490	133396	pENTR223.1 or pUC	1869
IL32	CSB-CL011655HU	BC009401	9235	pENTR223.1	705
IL33	CSB-CL011656HU	BC047085	90865	pENTR223.1	813
IL34	CSB-CL751146HU	BC029804	146433	pENTR223.1 or pUC	729
IL4	CSB-CL011659HU	BC067514	3565	pENTR223.1	462
IL4I1	CSB-CL850426HU1	BC090852	259307	pENTR223.1	1704
IL4I1	CSB-CL850426HU2	BC064378	259307	pENTR223.1 or pUC	1704
IL4I1	CSB-CL850426HU3	BC131625	259307	pENTR223.1 or pUC	1770
IL6	CSB-CL011664HU	BC015511	3569	pENTR223.1	639
IL6R	CSB-CL011665HU1	BC132686	3570	pENTR223.1	1407
IL6R	CSB-CL011665HU2	BC132684	3570	pENTR223.1	1407
IL6ST	CSB-CL011667HU	BC117402	3572	pENTR223.1 or pUC	2757
IL7	CSB-CL011669HU	BC047698	3574	pENTR223.1	534
IL7R	CSB-CL011670HU	BC067540	3575	pENTR223.1 or pUC	1380
IL8	CSB-CL011671HU	BC013615	3576	pENTR223.1	300
IL9	CSB-CL011675HU	BC066285	3578	pENTR223.1 or pUC	435



Name	Code	Accession No.	Gene ID	Vector	Length
ILF2	CSB-CL614262HU	BC000382	3608	pENTR223.1	1173
ILF3	CSB-CL613273HU1	BC003086	3609	pENTR223.1 or pUC	477
ILF3	CSB-CL613273HU2	BC064836	3609	pENTR223.1 or pUC	2121
ILK	CSB-CL619764HU	BC001554	3611	pENTR223.1 or pUC	1359
ILKAP	CSB-CL011686HU	BC006576	80895	pENTR223.1 or pUC	1179
ILVBL	CSB-CL011687HU2	BC011761	10994	pENTR223.1 or pUC	1899
IMMP2L	CSB-CL822306HU	BC008497	83943	pENTR223.1 or pUC	333
IMMT	CSB-CL623101HU	BC002412	10989	pENTR223.1 or pUC	2277
IMP3	CSB-CL873661HU1	BC006487	55272	pENTR223.1	555
IMP3	CSB-CL873661HU2	BC011745	55272	pENTR223.1 or pUC	555
IMPA1	CSB-CL011694HU1	BC009565	3612	pENTR223.1 or pUC	834
IMPA1	CSB-CL011694HU2	BC008381	3612	pENTR223.1 or pUC	834
IMPA2	CSB-CL011695HU2	BC031560	3613	pENTR223.1 or pUC	258
IMPACT	CSB-CL889191HU	BC034016	55364	pENTR223.1 or pUC	963
IMPDH2	CSB-CL011701HU	BC006124	3615	pENTR223.1	1545
INCA1	CSB-CL605764HU	BC119781	388324	pENTR223.1 or pUC	711
ING2	CSB-CL867125HU	BC030128	3622	pENTR223.1	843
ING3	CSB-CL865171HU1	BC009776	54556	pENTR223.1 or pUC	279
ING3	CSB-CL865171HU3	BC010851	54556	pENTR223.1 or pUC	282
ING4	CSB-CL891792HU	BC007781	51147	pENTR223.1 or pUC	750
ING5	CSB-CL820185HU1	BC005370	84289	pENTR223.1	681
ING5	CSB-CL820185HU2	BC071899	84289	pENTR223.1 or pUC	723
INHA	CSB-CL011718HU	BC006391	3623	pENTR223.1	1101
INHBA	CSB-CL011719HU	BC007858	3624	pENTR223.1 or pUC	1281
INHBC	CSB-CL011721HU	BC130324	3626	pENTR223.1 or pUC	1059
INHBE	CSB-CL011722HU	BC005161	83729	pENTR223.1 or pUC	1053
INMT	CSB-CL011723HU	BC106903	11185	pENTR223.1	792



Name	Code	Accession No.	Gene ID	Vector	Length
INO80C	CSB-CL011726HU	BC048989	125476	pENTR223.1 or pUC	414
INPP1	CSB-CL011729HU	BC015496	3628	pENTR223.1 or pUC	1200
INPP4A	CSB-CL853479HU	BC028361	3631	pENTR223.1 or pUC	2919
INPP4B	CSB-CL011732HU	BC005273	8821	pENTR223.1 or pUC	162
INPP5A	CSB-CL622780HU	BC096280	3632	pENTR223.1 or pUC	1239
INPP5J	CSB-CL620891HU	BC109288	27124	pENTR223.1 or pUC	1920
INPP5K	CSB-CL866277HU	BC004362	51763	pENTR223.1 or pUC	1347
INS	CSB-CL011742HU	BC005255	3630	pENTR223.1	333
INSIG2	CSB-CL896742HU	BC022475	51141	pENTR223.1 or pUC	678
INSL3	CSB-CL011747HU	BC106722	3640	pENTR223.1 or pUC	396
INSL4	CSB-CL621784HU	BC026254	3641	pENTR223.1 or pUC	420
INTS10	CSB-CL011758HU	BC001915	55174	pENTR223.1 or pUC	1794
INTS12	CSB-CL011759HU	BC014442	57117	pENTR223.1 or pUC	1389
INTS3	CSB-CL011761HU1	BC025254	65123	pENTR223.1 or pUC	1338
INTS4	CSB-CL011762HU1	BC009995	92105	pENTR223.1 or pUC	1518
INTS4	CSB-CL011762HU2	BC015664	92105	pENTR223.1 or pUC	1533
INTS6	CSB-CL011764HU	BC039829	26512	pENTR223.1 or pUC	2664
INTS7	CSB-CL011765HU1	BC020523	25896	pENTR223.1 or pUC	2847
INTS7	CSB-CL011765HU2	BC033918	25896	pENTR223.1 or pUC	2889
INTU	CSB-CL891544HU1	BC051698	27152	pENTR223.1 or pUC	1227
INTU	CSB-CL891544HU2	BC130611	27152	pENTR223.1 or pUC	2829
INVS	CSB-CL011769HU1	BC006370	27130	pENTR223.1 or pUC	306
IPMK	CSB-CL011774HU	BC065709	253430	pENTR223.1 or pUC	1251
IPO11	CSB-CL887057HU	BC033776	51194	pENTR223.1 or pUC	2928
IPO13	CSB-CL011776HU	BC008194	9670	pENTR223.1 or pUC	2892
IQCC	CSB-CL679698HU	BC098317	55721	pENTR223.1 or pUC	1401
IQCD	CSB-CL839310HU	BC013151	115811	pENTR223.1 or pUC	1044



Name	Code	Accession No.	Gene ID	Vector	Length
IQCF1	CSB-CL854055HU1	BC034228	132141	pENTR223.1 or pUC	246
IQCF1	CSB-CL854055HU2	BC029595	132141	pENTR223.1 or pUC	618
IQCF2	CSB-CL815574HU	BC040047	389123	pENTR223.1 or pUC	495
IQCH	CSB-CL774816HU1	BC031041	64799	pENTR223.1 or pUC	681
IQUB	CSB-CL850846HU1	BC032838	154865	pENTR223.1 or pUC	1122
IQUB	CSB-CL850846HU2	BC128181	154865	pENTR223.1 or pUC	2376
IRAK2	CSB-CL011810HU	BC125184	3656	pENTR223.1	1878
IRAK4	CSB-CL011812HU	BC013316	51135	pENTR223.1	1383
IREB2	CSB-CL011813HU1	BC017880	3658	pENTR223.1 or pUC	1032
IRF2	CSB-CL011815HU	BC015803	3660	pENTR223.1 or pUC	1050
IRF3	CSB-CL011818HU	BC009395	3661	pENTR223.1 or pUC	1359
IRF4	CSB-CL011819HU	BC015752	3662	pENTR223.1 or pUC	1356
IRF5	CSB-CL011820HU	BC004139	3663	pENTR223.1	1497
ISCA2	CSB-CL769773HU	BC032893	122961	pENTR223.1 or pUC	465
ISCU	CSB-CL887955HU1	BC011906	23479	pENTR223.1 or pUC	504
ISCU	CSB-CL887955HU2	BC061903	23479	pENTR223.1	504
ISG15	CSB-CL011843HU	BC009507	9636	pENTR223.1 or pUC	498
ISG20	CSB-CL846587HU1	BC007922	3669	pENTR223.1 or pUC	546
ISG20	CSB-CL846587HU2	BC016341	3669	pENTR223.1 or pUC	264
ISG20L2	CSB-CL884497HU	BC000575	81875	pENTR223.1 or pUC	1062
ISL1	CSB-CL011846HU	BC031213	3670	pENTR223.1 or pUC	1050
ISLR	CSB-CL011848HU	BC022478	3671	pENTR223.1 or pUC	1287
ISOC1	CSB-CL839302HU1	BC014105	51015	pENTR223.1 or pUC	708
ISOC1	CSB-CL839302HU2	BC008367	51015	pENTR223.1 or pUC	708
ISOC2	CSB-CL839287HU	BC017344	79763	pENTR223.1 or pUC	618
ISX	CSB-CL011854HU	BC113633	91464	pENTR223.1 or pUC	738
ITFG2	CSB-CL822167HU	BC006552	55846	pENTR223.1 or pUC	1344



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ITGA4	CSB-CL011867HU	BC080190	3676	pENTR223.1	834
ITGAL	CSB-CL011875HU	BC008777	3683	pUC	3261
ITGB1	CSB-CL011880HU	BC020057	3688	pENTR223.1	2397
ITGB1BP1	CSB-CL011881HU	BC012264	9270	pENTR223.1 or pUC	603
ITGB1BP2	CSB-CL892333HU	BC108901	26548	pENTR223.1 or pUC	990
ITGB2	CSB-CL011884HU	BC005861	3689	pENTR223.1 or pUC	2310
ITGB3BP	CSB-CL622653HU2	BC009929	23421	pENTR223.1 or pUC	534
ITGB8	CSB-CL011892HU	BC002630	3696	pENTR223.1 or pUC	1320
ITIH5	CSB-CL768213HU	BC004282	80760	pENTR223.1 or pUC	2187
ITK	CSB-CL600145HU	BC109077	3702	pENTR223.1 or pUC	1863
ITLN1	CSB-CL851976HU	BC020664	55600	pENTR223.1 or pUC	942
ITLN2	CSB-CL837867HU	BC117225	142683	pENTR223.1 or pUC	975
ITM2A	CSB-CL011903HU	BC040437	9452	pENTR223.1 or pUC	792
ITM2B	CSB-CL011904HU1	BC000554	9445	pENTR223.1 or pUC	801
ITM2B	CSB-CL011904HU2	BC016148	9445	pENTR223.1 or pUC	801
ITM2C	CSB-CL011906HU1	BC025742	81618	pENTR223.1 or pUC	693
ITM2C	CSB-CL011906HU2	BC050668	81618	pENTR223.1 or pUC	663
ITPA	CSB-CL874838HU	BC010138	3704	pENTR223.1 or pUC	585
ITPK1	CSB-CL613412HU1	BC003622	3705	pENTR223.1 or pUC	945
ITPK1	CSB-CL613412HU2	BC018192	3705	pENTR223.1 or pUC	1245
IWS1	CSB-CL822304HU1	BC017012	55677	pENTR223.1	159
IWS1	CSB-CL822304HU2	BC110536	55677	pENTR223.1 or pUC	2460
IYD	CSB-CL754272HU	BC056253	389434	pENTR223.1 or pUC	870
IZUMO1	CSB-CL812903HU	BC034769	284359	pENTR223.1 or pUC	1053
JAGN1	CSB-CL818709HU	BC032101	84522	pENTR223.1 or pUC	552
JAK3	CSB-CL011932HU	BC028068	3718	pENTR223.1 or pUC	1860
JAM2	CSB-CL011936HU	BC017779	58494	pENTR223.1 or pUC	897



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JMJD5	CSB-CL839789HU	BC027911	79831	pENTR223.1 or pUC	1251
JMJD6	CSB-CL750768HU	BC066654	23210	pENTR223.1 or pUC	1212
JMJD7	CSB-CL011955HU	BC025290	100137047	pENTR223.1 or pUC	951
JOSD1	CSB-CL624012HU	BC015026	9929	pENTR223.1 or pUC	609
JTB	CSB-CL011970HU1	BC000499	10899	pENTR223.1 or pUC	441
JTB	CSB-CL011970HU2	BC004239	10899	pENTR223.1 or pUC	354
JUNB	CSB-CL011973HU2	BC004250	3726	pUC	1044
JUP	CSB-CL011975HU	BC011865	3728	pENTR223.1	2238
KARS	CSB-CL618973HU	BC004132	3735	pENTR223.1	1794
KAT5	CSB-CL835717HU	BC117167	10524	pENTR223.1 or pUC	1542
KATNA1	CSB-CL011990HU	BC050428	11104	pENTR223.1 or pUC	936
KATNAL2	CSB-CL809022HU	BC034999	83473	pENTR223.1 or pUC	1401
KBTBD10	CSB-CL011995HU	BC006534	10324	pENTR223.1 or pUC	1821
KBTBD2	CSB-CL811624HU	BC047107	25948	pENTR223.1 or pUC	1872
KBTBD3	CSB-CL822745HU	BC117466	143879	pENTR223.1 or pUC	1839
KBTBD4	CSB-CL882119HU	BC002736	55709	pENTR223.1 or pUC	1557
KBTBD7	CSB-CL823893HU	BC022033	84078	pENTR223.1 or pUC	2055
KCMF1	CSB-CL873718HU	BC000178	56888	pENTR223.1 or pUC	1146
KCNA2	CSB-CL012007HU	BC043564	3737	pENTR223.1	1071
KCNA5	CSB-CL012010HU	BC099665	3741	pENTR223.1 or pUC	1842
KCNA6	CSB-CL012011HU	BC069355	3742	pENTR223.1 or pUC	1590
KCNAB1	CSB-CL617931HU	BC043166	7881	pENTR223.1	1206
KCNAB2	CSB-CL623796HU	BC126424	8514	pENTR223.1 or pUC	1104
KCNC1	CSB-CL012018HU	BC107129	3746	pENTR223.1	1536
KCND1	CSB-CL865130HU	BC045659	3750	pENTR223.1 or pUC	1944
KCND2	CSB-CL873715HU	BC110449	3751	pENTR223.1	1893
KCND3	CSB-CL890913HU1	BC113477	3752	pENTR223.1	1911



Name	Code	Accession No.	Gene ID	Vector	Length
KCND3	CSB-CL890913HU2	BC113475	3752	pENTR223.1 or pUC	1911
KCNE1	CSB-CL012025HU	BC036452	3753	pENTR223.1	318
KCNE4	CSB-CL855489HU	BC014429	23704	pENTR223.1 or pUC	513
KCNG4	CSB-CL844728HU1	BC008969	93107	pENTR223.1	771
KCNG4	CSB-CL844728HU2	BC109203	93107	pENTR223.1 or pUC	1560
KCNH6	CSB-CL875652HU	BC006334	81033	pENTR223.1 or pUC	1509
KCNH7	CSB-CL878877HU	BC035815	90134	pENTR223.1 or pUC	2199
KCNIP2	CSB-CL889100HU	BC034685	30819	pENTR223.1 or pUC	759
KCNIP3	CSB-CL897537HU	BC012850	30818	pENTR223.1 or pUC	771
KCNIP4	CSB-CL750882HU	BC032520	80333	pENTR223.1 or pUC	753
KCNJ10	CSB-CL012048HU1	BC034036	3766	pENTR223.1 or pUC	1140
KCNJ10	CSB-CL012048HU2	BC131627	3766	pENTR223.1	1140
KCNJ11	CSB-CL622781HU	BC112358	3767	pENTR223.1 or pUC	1173
KCNJ13	CSB-CL012051HU	BC037290	3769	pENTR223.1 or pUC	1083
KCNJ15	CSB-CL860350HU	BC013327	3772	pENTR223.1 or pUC	1128
KCNJ3	CSB-CL012056HU	BC022495	3760	pENTR223.1 or pUC	1506
KCNJ5	CSB-CL012058HU	BC069482	3762	pENTR223.1 or pUC	1260
KCNK1	CSB-CL012062HU	BC018051	3775	pENTR223.1	1011
KCNK13	CSB-CL862058HU	BC012779	56659	pENTR223.1 or pUC	1227
KCNK16	CSB-CL850434HU	BC111860	83795	pENTR223.1 or pUC	969
KCNK7	CSB-CL896880HU	BC103809	10089	pENTR223.1 or pUC	759
KCNMA1	CSB-CL614255HU	BC062659	3778	pENTR223.1 or pUC	507
KCNMB1	CSB-CL621958HU	BC025707	3779	pENTR223.1 or pUC	393
KCNMB2	CSB-CL896925HU	BC017825	10242	pENTR223.1 or pUC	708
KCNN2	CSB-CL880957HU1	BC015371	3781	pENTR223.1 or pUC	696
KCNN3	CSB-CL880079HU	BC042147	3782	pENTR223.1 or pUC	1281
KCNQ1DN	CSB-CL887977HU	BC098159	55539	pENTR223.1 or pUC	207



Name	Code	Accession No.	Gene ID	Vector	Length
KCNRG	CSB-CL847638HU	BC032343	283518	pENTR223.1 or pUC	819
KCNS2	CSB-CL892470HU	BC027932	3788	pENTR223.1 or pUC	1434
KCNS3	CSB-CL859028HU1	BC004148	3790	pENTR223.1	1476
KCNS3	CSB-CL859028HU2	BC015947	3790	pENTR223.1 or pUC	1476
KCNV2	CSB-CL848410HU	BC101352	169522	pENTR223.1 or pUC	1638
KCTD1	CSB-CL744477HU	BC063652	284252	pENTR223.1 or pUC	774
KCTD11	CSB-CL737961HU	BC019929	147040	pENTR223.1 or pUC	699
KCTD14	CSB-CL860242HU	BC001062	65987	pENTR223.1 or pUC	678
KCTD15	CSB-CL836301HU	BC009335	79047	pENTR223.1 or pUC	705
KCTD16	CSB-CL727857HU	BC113435	57528	pENTR223.1 or pUC	1287
KCTD18	CSB-CL757654HU	BC067755	130535	pENTR223.1 or pUC	1281
KCTD19	CSB-CL624192HU	BC117335	146212	pENTR223.1 or pUC	2781
KCTD4	CSB-CL837857HU	BC018063	386618	pENTR223.1 or pUC	780
KCTD6	CSB-CL822756HU	BC022893	200845	pENTR223.1 or pUC	714
KCTD9	CSB-CL741970HU	BC021216	54793	pENTR223.1 or pUC	1170
KDELC1	CSB-CL764933HU	BC001297	79070	pENTR223.1 or pUC	1509
KDELR1	CSB-CL012129HU1	BC008958	10945	pENTR223.1	573
KDELR1	CSB-CL012129HU2	BC018778	10945	pENTR223.1 or pUC	639
KDELR2	CSB-CL012130HU1	BC012994	11014	pUC	639
KDELR2	CSB-CL012130HU2	BC008081	11014	pENTR223.1	639
KDELR2	CSB-CL012130HU3	BC071982	11014	pENTR223.1	561
KDELR3	CSB-CL012131HU1	BC001277	11015	pENTR223.1 or pUC	645
KDELR3	CSB-CL012131HU2	BC098336	11015	pENTR223.1 or pUC	663
KDSR	CSB-CL012146HU	BC008797	2531	pENTR223.1 or pUC	999
KEAP1	CSB-CL012147HU	BC002417	9817	pENTR223.1 or pUC	1875
KEL	CSB-CL012148HU	BC003135	3792	pENTR223.1 or pUC	2199
KERA	CSB-CL012149HU	BC032667	11081	pENTR223.1 or pUC	1059



Name	Code	Accession No.	Gene ID	Vector	Length
KGFLP1	CSB-CL649582HU	BC112977	387628	pENTR223.1 or pUC	462
KHDC1	CSB-CL709298HU	BC022080	80759	pENTR223.1 or pUC	492
KHDRBS2	CSB-CL730139HU	BC034043	202559	pENTR223.1 or pUC	1050
KHDRBS3	CSB-CL012156HU	BC032606	10656	pENTR223.1 or pUC	1041
KHK	CSB-CL012157HU	BC006233	3795	pENTR223.1 or pUC	897
KIAA0020	CSB-CL620879HU	BC016137	9933	pENTR223.1 or pUC	1947
KIAA0040	CSB-CL619961HU	BC111699	9674	pENTR223.1 or pUC	462
KIAA0087	CSB-CL621786HU	BC128257	9808	pENTR223.1 or pUC	417
KIAA0090	CSB-CL818721HU	BC034589	23065	pENTR223.1 or pUC	2982
KIAA0141	CSB-CL613488HU1	BC007855	9812	pENTR223.1 or pUC	1548
KIAA0141	CSB-CL613488HU2	BC011926	9812	pENTR223.1 or pUC	1548
KIAA0247	CSB-CL835675HU	BC064697	9766	pENTR223.1 or pUC	912
KIAA0317	CSB-CL012180HU	BC032944	9870	pENTR223.1	2370
KIAA0319L	CSB-CL816919HU	BC031672	79932	pENTR223.1 or pUC	2076
KIAA0355	CSB-CL012185HU	BC128232	9710	pENTR223.1 or pUC	621
KIAA0391	CSB-CL012187HU1	BC032221	9692	pENTR223.1 or pUC	1752
KIAA0391	CSB-CL012187HU2	BC044580	9692	pENTR223.1 or pUC	1752
KIAA0408	CSB-CL754572HU	BC018396	9729	pENTR223.1 or pUC	1734
KIAA0494	CSB-CL012194HU	BC002525	9813	pUC	1488
KIAA0513	CSB-CL012195HU	BC030280	9764	pENTR223.1 or pUC	906
KIAA0748	CSB-CL012205HU	BC132732	9840	pENTR223.1 or pUC	1152
KIAA0895	CSB-CL847686HU	BC110422	23366	pENTR223.1 or pUC	915
KIAA0907	CSB-CL770364HU	BC027182	22889	pENTR223.1 or pUC	726
KIAA1009	CSB-CL729213HU	BC063632	22832	pENTR223.1 or pUC	1596
KIAA1033	CSB-CL645740HU	BC104992	23325	pUC	3522
KIAA1143	CSB-CL850259HU1	BC016790	57456	pENTR223.1 or pUC	465
KIAA1143	CSB-CL850259HU2	BC008468	57456	pENTR223.1 or pUC	465



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KIAA1161	CSB-CL764657HU	BC070098	57462	pENTR223.1 or pUC	2145
KIAA1191	CSB-CL846582HU	BC010448	57179	pENTR223.1 or pUC	918
KIAA1257	CSB-CL891961HU	BC031632	57501	pENTR223.1 or pUC	894
KIAA1279	CSB-CL836204HU	BC012180	26128	pENTR223.1 or pUC	1866
KIAA1324	CSB-CL764944HU1	BC031648	57535	pENTR223.1 or pUC	1992
KIAA1324	CSB-CL764944HU2	BC125208	57535	pENTR223.1 or pUC	2781
KIAA1324L	CSB-CL012251HU	BC117309	222223	pENTR223.1 or pUC	2412
KIAA1383	CSB-CL879069HU	BC109122	54627	pENTR223.1 or pUC	2718
KIAA1429	CSB-CL724361HU1	BC053875	25962	pENTR223.1 or pUC	1971
KIAA1430	CSB-CL868391HU	BC030535	57587	pENTR223.1 or pUC	1362
KIAA1467	CSB-CL012262HU1	BC132772	57613	pENTR223.1 or pUC	1869
KIAA1468	CSB-CL878958HU	BC011992	57614	pENTR223.1 or pUC	2583
KIAA1524	CSB-CL851542HU	BC130564	57650	pENTR223.1	2718
KIAA1530	CSB-CL650553HU	BC021930	57654	pENTR223.1 or pUC	783
KIAA1586	CSB-CL881026HU	BC041125	57691	pENTR223.1 or pUC	2364
KIAA1598	CSB-CL012273HU1	BC022348	57698	pENTR223.1 or pUC	378
KIAA1609	CSB-CL740747HU1	BC023251	57707	pENTR223.1 or pUC	1371
KIAA1609	CSB-CL740747HU2	BC060844	57707	pENTR223.1 or pUC	1371
KIAA1683	CSB-CL872423HU1	BC034327	80726	pENTR223.1 or pUC	1335
KIAA1683	CSB-CL872423HU2	BC127100	80726	pENTR223.1 or pUC	2385
KIAA1704	CSB-CL818251HU	BC032333	55425	pENTR223.1 or pUC	528
KIAA1737	CSB-CL880155HU	BC037300	85457	pENTR223.1 or pUC	1200
KIAA1841	CSB-CL750733HU	BC070104	84542	pENTR223.1 or pUC	2124
KIAA1967	CSB-CL822681HU	BC018269	57805	pENTR223.1 or pUC	1098
KIF12	CSB-CL850294HU	BC010626	113220	pENTR223.1 or pUC	1542
KIF16B	CSB-CL846656HU1	BC034984	55614	pENTR223.1 or pUC	525
KIF19	CSB-CL648776HU	BC026362	124602	pENTR223.1 or pUC	360



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KIF1B	CSB-CL012319HU1	BC001415	23095	pENTR223.1 or pUC	1740
KIF1C	CSB-CL012320HU	BC034993	10749	pUC	3312
KIF20A	CSB-CL012321HU	BC012999	10112	pENTR223.1 or pUC	2673
KIF24	CSB-CL716354HU	BC110502	347240	pENTR223.1 or pUC	2553
KIF25	CSB-CL883440HU	BC130489	3834	pENTR223.1 or pUC	999
KIF26A	CSB-CL891547HU	BC009415	26153	pENTR223.1 or pUC	612
KIF26B	CSB-CL642548HU	BC042481	55083	pENTR223.1 or pUC	489
KIF2A	CSB-CL012332HU	BC031828	3796	pENTR223.1 or pUC	2040
KIF2B	CSB-CL839797HU	BC033802	84643	pENTR223.1 or pUC	2022
KIF2C	CSB-CL860347HU1	BC014924	11004	pENTR223.1 or pUC	2178
KIF6	CSB-CL754540HU1	BC022074	221458	pENTR223.1 or pUC	798
KIF9	CSB-CL875705HU1	BC015311	64147	pENTR223.1 or pUC	276
KIF9	CSB-CL875705HU2	BC030657	64147	pENTR223.1 or pUC	2373
KIFAP3	CSB-CL012347HU	BC028679	22920	pENTR223.1 or pUC	2379
KIN	CSB-CL012351HU	BC017309	22944	pENTR223.1 or pUC	1182
KIR2DL3	CSB-CL012354HU	BC032422	3804	pENTR223.1	1026
KIR2DL4	CSB-CL857457HU	BC041611	3805	pENTR223.1 or pUC	1134
KIR2DS2	CSB-CL012360HU	BC108917	100132285	pENTR223.1 or pUC	1017
KIR2DS4	CSB-CL012362HU	BC096694	3809	pENTR223.1 or pUC	915
KIR3DL1	CSB-CL012364HU	BC028206	3811	pENTR223.1 or pUC	1335
KIR3DS1	CSB-CL614817HU	BC098288	3813	pENTR223.1 or pUC	1149
KIR3DX1	CSB-CL875690HU	BC033195	90011	pENTR223.1 or pUC	237
KIRREL	CSB-CL856956HU	BC109192	55243	pENTR223.1	2274
KIRREL2	CSB-CL754407HU	BC007312	84063	pENTR223.1 or pUC	660
KITLG	CSB-CL012376HU	BC069783	4254	pENTR223.1 or pUC	822
KLC2	CSB-CL012380HU	BC034373	64837	pENTR223.1 or pUC	1869
KLC4	CSB-CL012382HU2	BC080637	89953	pENTR223.1 or pUC	1860



Name	Code	Accession No.	Gene ID	Vector	Length
KLF10	CSB-CL621651HU	BC011538	7071	pENTR223.1 or pUC	1410
KLF12	CSB-CL897495HU	BC019680	11278	pENTR223.1 or pUC	1209
KLF15	CSB-CL883433HU	BC036733	28999	pENTR223.1 or pUC	1251
KLF3	CSB-CL012393HU	BC030662	51274	pENTR223.1 or pUC	1038
KLF4	CSB-CL012394HU1	BC029923	9314	pENTR223.1	1413
KLF6	CSB-CL859936HU1	BC000311	1316	pENTR223.1 or pUC	852
KLF6	CSB-CL859936HU2	BC004301	1316	pENTR223.1 or pUC	783
KLF7	CSB-CL012397HU	BC012919	8609	pENTR223.1 or pUC	693
KLHDC3	CSB-CL858414HU1	BC009460	116138	pENTR223.1 or pUC	1170
KLHDC3	CSB-CL858414HU2	BC000295	116138	pENTR223.1 or pUC	1149
KLHDC3	CSB-CL858414HU3	BC041793	116138	pENTR223.1 or pUC	801
KLHDC3	CSB-CL858414HU4	BC012987	116138	pENTR223.1 or pUC	624
KLHDC4	CSB-CL823448HU2	BC001044	54758	pENTR223.1 or pUC	1392
KLHDC4	CSB-CL823448HU1	BC022969	54758	pENTR223.1 or pUC	1563
KLHDC5	CSB-CL885803HU	BC028742	57542	pENTR223.1 or pUC	1233
KLHDC8A	CSB-CL816911HU	BC036076	55220	pENTR223.1 or pUC	1053
KLHDC9	CSB-CL847700HU1	BC022077	126823	pENTR223.1 or pUC	336
KLHDC9	CSB-CL847700HU2	BC066896	126823	pENTR223.1 or pUC	1050
KLHL10	CSB-CL753737HU	BC067753	317719	pENTR223.1 or pUC	1827
KLHL12	CSB-CL700650HU	BC003183	59349	pENTR223.1 or pUC	1707
KLHL15	CSB-CL846666HU	BC109058	80311	pENTR223.1 or pUC	1815
KLHL18	CSB-CL012420HU	BC032620	23276	pENTR223.1 or pUC	1530
KLHL2	CSB-CL012421HU	BC036468	11275	pENTR223.1 or pUC	1782
KLHL21	CSB-CL892323HU	BC091648	9903	pENTR223.1 or pUC	1794
KLHL22	CSB-CL684469HU	BC015923	84861	pENTR223.1 or pUC	1905
KLHL23	CSB-CL822749HU	BC010437	151230	pENTR223.1 or pUC	1677
KLHL28	CSB-CL885758HU1	BC057794	54813	pENTR223.1 or pUC	1527



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KLHL28	CSB-CL885758HU2	BC121009	54813	pENTR223.1 or pUC	1716
KLHL3	CSB-CL890684HU	BC034035	26249	pENTR223.1	906
KLHL32	CSB-CL853471HU1	BC031830	114792	pENTR223.1 or pUC	420
KLHL32	CSB-CL853471HU2	BC071627	114792	pENTR223.1 or pUC	1413
KLHL34	CSB-CL850783HU	BC109031	257240	pENTR223.1 or pUC	1935
KLHL36	CSB-CL850801HU1	BC032400	79786	pENTR223.1 or pUC	1662
KLHL36	CSB-CL850801HU2	BC033821	79786	pENTR223.1 or pUC	1851
KLHL38	CSB-CL652063HU	BC127886	340359	pENTR223.1 or pUC	1746
KLHL7	CSB-CL812891HU2	BC009555	55975	pENTR223.1 or pUC	435
KLHL7	CSB-CL812891HU1	BC039585	55975	pENTR223.1 or pUC	1761
KLHL9	CSB-CL879070HU	BC113513	55958	pENTR223.1 or pUC	1854
KLK1	CSB-CL012446HU	BC005313	3816	pENTR223.1 or pUC	789
KLK11	CSB-CL880069HU	BC022068	11012	pENTR223.1 or pUC	753
KLK13	CSB-CL891952HU	BC069334	26085	pENTR223.1 or pUC	834
KLK15	CSB-CL884452HU1	BC069480	55554	pENTR223.1 or pUC	768
KLK15	CSB-CL884452HU2	BC069507	55554	pENTR223.1 or pUC	771
KLK15	CSB-CL884452HU3	BC126137	55554	pENTR223.1 or pUC	771
KLK2	CSB-CL012453HU	BC005196	3817	pENTR223.1 or pUC	786
KLK3	CSB-CL012454HU1	BC005307	354	pENTR223.1	786
KLK3	CSB-CL012454HU2	BC050595	354	pENTR223.1 or pUC	786
KLK5	CSB-CL897100HU	BC008036	25818	pENTR223.1	882
KLK6	CSB-CL842165HU	BC015525	5653	pENTR223.1	735
KLK7	CSB-CL012458HU	BC032005	5650	pENTR223.1 or pUC	762
KLK8	CSB-CL012459HU	BC040887	11202	pENTR223.1 or pUC	783
KLKB1	CSB-CL012461HU1	BC117351	3818	pENTR223.1	1917
KLRB1	CSB-CL621524HU	BC114516	3820	pENTR223.1 or pUC	678
KLRC1	CSB-CL012466HU1	BC053840	3821	pENTR223.1 or pUC	702



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KLRC1	CSB-CL012466HU2	BC012550	3821	pENTR223.1 or pUC	648
KLRC4	CSB-CL012469HU	BC017784	8302	pENTR223.1 or pUC	477
KLRD1	CSB-CL615672HU	BC028009	3824	pENTR223.1 or pUC	540
KLRG1	CSB-CL846610HU	BC012621	10219	pENTR223.1 or pUC	588
KMO	CSB-CL012475HU	BC005297	8564	pENTR223.1 or pUC	1224
KNCN	CSB-CL012477HU	BC101295	148930	pENTR223.1 or pUC	411
KNG1	CSB-CL012479HU	BC060039	3827	pENTR223.1	1284
KPNA1	CSB-CL012483HU	BC002374	3836	pENTR223.1 or pUC	1617
KPNA2	CSB-CL012484HU1	BC005978	3838	pENTR223.1 or pUC	1590
KPNA2	CSB-CL012484HU2	BC053343	3838	pENTR223.1 or pUC	1590
KPNA2	CSB-CL012484HU3	BC067848	3838	pENTR223.1 or pUC	1590
KPNA3	CSB-CL012485HU	BC035090	3839	pENTR223.1 or pUC	1566
KPNA4	CSB-CL012486HU2	BC016754	3840	pENTR223.1 or pUC	231
KPNA5	CSB-CL012487HU	BC047409	3841	pENTR223.1 or pUC	1620
KPNA6	CSB-CL012488HU	BC020520	23633	pENTR223.1 or pUC	1611
KRAS	CSB-CL012493HU1	BC013572	3845	pENTR223.1	567
KRAS	CSB-CL012493HU2	BC010502	3845	pENTR223.1 or pUC	189
KRCC1	CSB-CL868279HU	BC015927	51315	pENTR223.1 or pUC	780
KRR1	CSB-CL619781HU1	BC016778	11103	pENTR223.1 or pUC	1146
KRR1	CSB-CL619781HU2	BC026107	11103	pENTR223.1 or pUC	1146
KRR1	CSB-CL619781HU3	BC033887	11103	pENTR223.1 or pUC	1146
KRT13	CSB-CL012511HU	BC077718	3860	pENTR223.1 or pUC	1377
KRT15	CSB-CL012514HU	BC002641	3866	pENTR223.1 or pUC	1371
KRT18	CSB-CL012519HU1	BC000180	3875	pENTR223.1	1293
KRT18	CSB-CL012519HU2	BC000698	3875	pENTR223.1 or pUC	1293
KRT19	CSB-CL012534HU3	BC067744	3880	pENTR223.1 or pUC	1203
KRT2	CSB-CL012535HU	BC096294	3849	pENTR223.1	1920



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KRT23	CSB-CL871632HU	BC028356	25984	pENTR223.1 or pUC	1269
KRT31	CSB-CL614888HU	BC114468	3881	pENTR223.1 or pUC	1251
KRT33B	CSB-CL621778HU	BC009971	3884	pENTR223.1 or pUC	1215
KRT40	CSB-CL718197HU	BC130396	125115	pENTR223.1 or pUC	1296
KRT6A	CSB-CL012561HU1	BC014152	3853	pENTR223.1 or pUC	1695
KRT6B	CSB-CL012562HU	BC034535	3854	pENTR223.1 or pUC	1695
KRT71	CSB-CL660951HU	BC103917	112802	pENTR223.1 or pUC	1572
KRT72	CSB-CL619911HU	BC113686	140807	pENTR223.1 or pUC	1536
KRT73	CSB-CL774833HU	BC109212	319101	pENTR223.1 or pUC	1146
KRT79	CSB-CL719894HU	BC039148	338785	pENTR223.1 or pUC	1608
KRT8	CSB-CL012574HU1	BC008200	3856	pENTR223.1 or pUC	840
KRT8	CSB-CL012574HU2	BC075839	3856	pENTR223.1 or pUC	1452
KRT80	CSB-CL760849HU	BC065180	144501	pENTR223.1 or pUC	1269
KRT81	CSB-CL618893HU1	BC021241	3887	pENTR223.1 or pUC	609
KRTAP10-3	CSB-CL012597HU	BC133677	386682	pENTR223.1 or pUC	585
KRTAP10-7	CSB-CL012601HU	BC119643	386675	pENTR223.1 or pUC	1113
KRTAP11-1	CSB-CL810266HU	BC130555	337880	pENTR223.1 or pUC	492
KRTAP12-1	CSB-CL012605HU	BC127648	353332	pENTR223.1 or pUC	291
KRTAP12-2	CSB-CL012606HU	BC120941	353323	pENTR223.1 or pUC	441
KRTAP12-4	CSB-CL012608HU	BC125198	386684	pENTR223.1 or pUC	339
KRTAP13-1	CSB-CL815543HU	BC113536	140258	pENTR223.1 or pUC	582
KRTAP13-3	CSB-CL666167HU	BC103965	337960	pENTR223.1 or pUC	519
KRTAP13-4	CSB-CL667309HU	BC131691	284827	pENTR223.1 or pUC	483
KRTAP19-1	CSB-CL814200HU	BC126284	337882	pENTR223.1 or pUC	273
KRTAP19-4	CSB-CL660772HU1	BC117197	337971	pENTR223.1 or pUC	255
KRTAP19-4	CSB-CL660772HU2	BC117199	337971	pENTR223.1 or pUC	255
KRTAP19-5	CSB-CL659465HU	BC100836	337972	pENTR223.1 or pUC	219



Name	Code	Accession No.	Gene ID	Vector	Length
KRTAP19-7	CSB-CL668785HU	BC103838	337974	pENTR223.1 or pUC	192
KRTAP23-1	CSB-CL012641HU	BC128435	337963	pENTR223.1 or pUC	198
KRTAP2-4	CSB-CL887166HU	BC101147	85294	pENTR223.1 or pUC	387
KRTAP26-1	CSB-CL764791HU	BC057825	388818	pENTR223.1 or pUC	633
KRTAP3-1	CSB-CL863160HU	BC113077	83896	pENTR223.1 or pUC	297
KRTAP3-2	CSB-CL871617HU	BC034582	83897	pENTR223.1 or pUC	297
KRTAP3-3	CSB-CL874846HU	BC069448	85293	pENTR223.1 or pUC	297
KRTAP4-1	CSB-CL874845HU	BC103846	85285	pENTR223.1 or pUC	384
KRTAP4-2	CSB-CL861178HU	BC127252	85291	pENTR223.1 or pUC	411
KRTAP5-6	CSB-CL750447HU	BC130399	440023	pENTR223.1 or pUC	390
KRTAP5-9	CSB-CL012673HU	BC069531	3846	pENTR223.1 or pUC	510
KRTAP8-1	CSB-CL814201HU	BC130397	337879	pENTR223.1 or pUC	192
KRTCAP2	CSB-CL854054HU1	BC029806	200185	pENTR223.1 or pUC	489
KRTCAP2	CSB-CL854054HU2	BC057233	200185	pENTR223.1 or pUC	489
KRTDAP	CSB-CL012694HU	BC130501	388533	pENTR223.1 or pUC	300
KTI12	CSB-CL839314HU	BC012173	112970	pENTR223.1 or pUC	1065
KYNU	CSB-CL621970HU	BC000879	8942	pENTR223.1	924
L1TD1	CSB-CL729208HU	BC111559	54596	pENTR223.1 or pUC	2598
L2HGDH	CSB-CL864008HU	BC006117	79944	pENTR223.1 or pUC	1326
L3MBTL2	CSB-CL839279HU	BC017191	83746	pENTR223.1	2118
L3MBTL3	CSB-CL846646HU	BC060845	84456	pENTR223.1 or pUC	2268
L3MBTL4	CSB-CL836703HU	BC039316	91133	pENTR223.1 or pUC	1605
LACE1	CSB-CL819895HU	BC018445	246269	pENTR223.1 or pUC	1446
LACRT	CSB-CL887939HU1	BC069317	90070	pENTR223.1 or pUC	417
LACRT	CSB-CL887939HU2	BC062217	90070	pENTR223.1 or pUC	417
LACTB2	CSB-CL706635HU	BC000878	51110	pENTR223.1 or pUC	867
LAIR1	CSB-CL012721HU	BC027899	3903	pENTR223.1 or pUC	864



Name	Code	Accession No.	Gene ID	Vector	Length
LAIR2	CSB-CL012722HU	BC069366	3904	pENTR223.1 or pUC	459
LALBA	CSB-CL012724HU	BC112316	3906	pENTR223.1 or pUC	429
LAMA4	CSB-CL621948HU	BC004241	3910	pENTR223.1 or pUC	363
LAMC1	CSB-CL012735HU	BC015586	3915	pENTR223.1 or pUC	117
LAMP1	CSB-CL012738HU	BC021288	3916	pENTR223.1	1254
LAMP2	CSB-CL012740HU	BC002965	3920	pENTR223.1	1233
LANCL1	CSB-CL012742HU	BC028685	10314	pENTR223.1	1200
LANCL2	CSB-CL865129HU	BC070049	55915	pENTR223.1 or pUC	1353
LAP3	CSB-CL012745HU	BC065564	51056	pENTR223.1 or pUC	1560
LAPTM4A	CSB-CL621858HU1	BC003158	9741	pENTR223.1 or pUC	702
LAPTM4A	CSB-CL621858HU2	BC000421	9741	pENTR223.1 or pUC	702
LAPTM4B	CSB-CL774814HU	BC014129	55353	pENTR223.1 or pUC	681
LAPTM5	CSB-CL622667HU	BC106896	7805	pENTR223.1 or pUC	789
LARP1	CSB-CL740795HU1	BC010144	23367	pENTR223.1 or pUC	162
LARP1	CSB-CL740795HU3	BC033856	23367	pENTR223.1 or pUC	852
LARP1	CSB-CL740795HU2	BC001460	23367	pUC	3060
LARP4	CSB-CL758266HU1	BC063479	113251	pENTR223.1 or pUC	1125
LARP4	CSB-CL758266HU2	BC022377	113251	pENTR223.1 or pUC	567
LARP6	CSB-CL887112HU	BC006082	55323	pENTR223.1 or pUC	1476
LARS2	CSB-CL613580HU	BC025989	23395	pENTR223.1 or pUC	2712
LASP1	CSB-CL613523HU1	BC012460	3927	pENTR223.1 or pUC	786
LASP1	CSB-CL613523HU2	BC007560	3927	pENTR223.1 or pUC	972
LAT	CSB-CL012767HU	BC011563	27040	pENTR223.1 or pUC	702
LATS1	CSB-CL012769HU1	BC015665	9113	pENTR223.1 or pUC	408
LAX1	CSB-CL811614HU	BC069650	54900	pENTR223.1 or pUC	969
LBH	CSB-CL700659HU1	BC012373	81606	pENTR223.1 or pUC	384
LBH	CSB-CL700659HU2	BC126434	81606	pENTR223.1 or pUC	318



Name	Code	Accession No.	Gene ID	Vector	Length
LBR	CSB-CL613520HU	BC020079	3930	pENTR223.1 or pUC	1848
LCA5	CSB-CL769789HU	BC050327	167691	pENTR223.1 or pUC	2094
LCE1B	CSB-CL732929HU	BC104232	353132	pENTR223.1 or pUC	357
LCE2A	CSB-CL719417HU	BC119707	353139	pENTR223.1 or pUC	321
LCE2D	CSB-CL713134HU	BC130603	353141	pENTR223.1 or pUC	333
LCE3C	CSB-CL725885HU	BC130365	353144	pENTR223.1 or pUC	285
LCE3E	CSB-CL719405HU	BC131716	353145	pENTR223.1 or pUC	279
LCE4A	CSB-CL735978HU	BC113446	199834	pENTR223.1 or pUC	300
LCK	CSB-CL012806HU	BC013200	3932	pENTR223.1	1620
LCMT1	CSB-CL012808HU1	BC014217	51451	pENTR223.1 or pUC	1074
LCMT1	CSB-CL012808HU2	BC001214	51451	pENTR223.1 or pUC	1005
LCN6	CSB-CL012817HU	BC062746	158062	pENTR223.1	492
LCOR	CSB-CL856960HU	BC053359	84458	pENTR223.1 or pUC	1221
LCP1	CSB-CL012824HU	BC007673	3936	pENTR223.1 or pUC	1884
LDB1	CSB-CL771433HU	BC000482	8861	pENTR223.1 or pUC	1128
LDHA	CSB-CL012832HU	BC067223	3939	pENTR223.1 or pUC	999
LDHAL6A	CSB-CL741047HU	BC014340	160287	pENTR223.1 or pUC	705
LDHAL6B	CSB-CL863163HU	BC022034	92483	pENTR223.1 or pUC	1146
LDHB	CSB-CL012841HU	BC002362	3945	pENTR223.1	1005
LDHC	CSB-CL012844HU	BC064388	3948	pENTR223.1 or pUC	999
LDHD	CSB-CL801250HU	BC047902	197257	pENTR223.1 or pUC	1524
LDLRAD1	CSB-CL729206HU	BC127708	388633	pENTR223.1 or pUC	618
LDLRAP1	CSB-CL729190HU	BC029770	26119	pENTR223.1 or pUC	792
LDOC1	CSB-CL012851HU	BC003104	23641	pENTR223.1 or pUC	441
LDOC1L	CSB-CL760786HU	BC018713	84247	pENTR223.1 or pUC	342
LECT1	CSB-CL012854HU	BC025659	11061	pENTR223.1	1002
LEF1	CSB-CL012856HU	BC050632	51176	pENTR223.1 or pUC	1200



Name	Code	Accession No.	Gene ID	Vector	Length
LELP1	CSB-CL719414HU	BC130507	149018	pENTR223.1 or pUC	297
LENG1	CSB-CL856906HU	BC014986	79165	pENTR223.1 or pUC	795
LEO1	CSB-CL845150HU	BC018147	123169	pENTR223.1 or pUC	2001
LEP	CSB-CL012870HU	BC069323	3952	pENTR223.1 or pUC	504
LEPREL1	CSB-CL815555HU	BC005029	55214	pENTR223.1 or pUC	1584
LEPREL2	CSB-CL815556HU	BC017217	10536	pENTR223.1 or pUC	1656
LEPROT	CSB-CL012875HU	BC056250	54741	pENTR223.1 or pUC	396
LEPROTL1	CSB-CL012876HU	BC000642	23484	pENTR223.1 or pUC	396
LETM2	CSB-CL649675HU	BC029541	137994	pENTR223.1 or pUC	735
LETMD1	CSB-CL757554HU	BC064943	25875	pENTR223.1 or pUC	1083
LFNG	CSB-CL839868HU	BC014851	3955	pENTR223.1 or pUC	753
LGALS1	CSB-CL012882HU	BC001693	3956	pENTR223.1	408
LGALS12	CSB-CL846606HU	BC028222	85329	pENTR223.1 or pUC	1011
LGALS13	CSB-CL883408HU	BC069312	29124	pENTR223.1 or pUC	420
LGALS14	CSB-CL848400HU	BC022257	56891	pENTR223.1 or pUC	420
LGALS2	CSB-CL012886HU	BC059782	3957	pENTR223.1 or pUC	399
LGALS3	CSB-CL012887HU1	BC001120	3958	pENTR223.1 or pUC	753
LGALS3	CSB-CL012887HU2	BC053667	3958	pENTR223.1 or pUC	753
LGALS8	CSB-CL012894HU1	BC015818	3964	pENTR223.1 or pUC	1077
LGALS8	CSB-CL012894HU2	BC016486	3964	pENTR223.1 or pUC	951
LGALS9	CSB-CL012895HU	BC105942	3965	pENTR223.1 or pUC	972
LGALS9B	CSB-CL668086HU	BC105943	284194	pENTR223.1 or pUC	1071
LGALS9C	CSB-CL728553HU	BC073889	654346	pENTR223.1 or pUC	1071
LGI1	CSB-CL012898HU	BC022500	9211	pENTR223.1	1674
LGMN	CSB-CL012903HU	BC003061	5641	pENTR223.1 or pUC	1302
LHFP	CSB-CL012912HU	BC017824	10186	pENTR223.1 or pUC	603
LHFPL1	CSB-CL774822HU	BC100786	340596	pENTR223.1 or pUC	564



Name	Code	Accession No.	Gene ID	Vector	Length
LHFPL3	CSB-CL769779HU1	BC129937	375612	pENTR223.1 or pUC	711
LHFPL3	CSB-CL769779HU2	BC129941	375612	pENTR223.1 or pUC	699
LHFPL5	CSB-CL844703HU	BC028630	222662	pENTR223.1 or pUC	660
LHPP	CSB-CL867114HU1	BC007324	64077	pENTR223.1 or pUC	633
LHPP	CSB-CL867114HU2	BC113629	64077	pENTR223.1 or pUC	813
LHX4	CSB-CL846571HU	BC011759	89884	pENTR223.1 or pUC	1173
LHX6	CSB-CL891795HU	BC103937	26468	pENTR223.1 or pUC	1092
LHX9	CSB-CL885688HU	BC131622	56956	pENTR223.1 or pUC	1194
LIAS	CSB-CL012927HU2	BC062751	11019	pENTR223.1 or pUC	429
LIG3	CSB-CL012931HU1	BC009026	3980	pENTR223.1	900
LIG3	CSB-CL012931HU2	BC068005	3980	pENTR223.1	3030
LIG4	CSB-CL012932HU	BC037491	3981	pENTR223.1 or pUC	2736
LILRA2	CSB-CL854017HU	BC017412	11027	pENTR223.1 or pUC	1401
LILRA3	CSB-CL836677HU	BC028208	11026	pENTR223.1 or pUC	1320
LILRA4	CSB-CL012936HU	BC109198	23547	pENTR223.1 or pUC	1302
LILRB1	CSB-CL847747HU	BC015731	10859	pENTR223.1 or pUC	1953
LILRB4	CSB-CL850914HU	BC026309	11006	pENTR223.1 or pUC	1347
LIM2	CSB-CL012946HU	BC126139	3982	pENTR223.1 or pUC	648
LIMCH1	CSB-CL891463HU	BC068200	22998	pENTR223.1 or pUC	483
LIMD2	CSB-CL861131HU	BC004400	80774	pENTR223.1 or pUC	384
LIMK2	CSB-CL012953HU	BC013051	3985	pENTR223.1 or pUC	2061
LIMS1	CSB-CL012955HU	BC005341	3987	pENTR223.1 or pUC	978
LIMS2	CSB-CL770349HU	BC001370	55679	pENTR223.1 or pUC	126
LIMS3	CSB-CL012957HU	BC112233	96626	pENTR223.1 or pUC	354
LIN37	CSB-CL836222HU	BC009071	55957	pENTR223.1 or pUC	741
LIN7A	CSB-CL012963HU	BC118609	8825	pENTR223.1 or pUC	702
LINGO1	CSB-CL839321HU2	BC068558	84894	pENTR223.1 or pUC	1845



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LIPA	CSB-CL012972HU	BC012287	3988	pENTR223.1 or pUC	1200
LIPF	CSB-CL012976HU	BC112272	8513	pENTR223.1 or pUC	1197
LIPG	CSB-CL897572HU	BC060825	9388	pENTR223.1 or pUC	1503
LIPH	CSB-CL848833HU	BC064941	200879	pENTR223.1 or pUC	1356
LIPJ	CSB-CL722799HU	BC031219	142910	pENTR223.1 or pUC	1101
LIPT1	CSB-CL896479HU1	BC007001	51601	pENTR223.1 or pUC	1122
LIPT1	CSB-CL896479HU2	BC009772	51601	pENTR223.1 or pUC	1122
LITAF	CSB-CL859109HU	BC101401	9516	pENTR223.1 or pUC	486
LIX1	CSB-CL822702HU	BC036467	167410	pENTR223.1 or pUC	849
LLPH	CSB-CL861123HU	BC006002	84298	pENTR223.1 or pUC	390
LMAN2	CSB-CL619640HU	BC017263	10960	pENTR223.1 or pUC	1071
LMAN2L	CSB-CL863945HU	BC067265	81562	pENTR223.1 or pUC	1047
LMBR1	CSB-CL823891HU	BC017663	64327	pENTR223.1 or pUC	1473
LMBR1L	CSB-CL754410HU1	BC031550	55716	pENTR223.1	1470
LMBR1L	CSB-CL754410HU2	BC015015	55716	pENTR223.1	1470
LMBR1L	CSB-CL754410HU3	BC008337	55716	pENTR223.1 or pUC	1410
LMBRD1	CSB-CL885730HU	BC010360	55788	pENTR223.1 or pUC	567
LMCD1	CSB-CL873714HU	BC000646	29995	pENTR223.1 or pUC	1098
LMF2	CSB-CL013001HU	BC014652	91289	pENTR223.1 or pUC	2049
LMNA	CSB-CL013003HU1	BC000511	4000	pENTR223.1 or pUC	1719
LMO1	CSB-CL013008HU	BC069752	4004	pENTR223.1 or pUC	471
LMO2	CSB-CL013009HU1	BC034041	4005	pENTR223.1	477
LMO2	CSB-CL013009HU2	BC042426	4005	pENTR223.1	477
LMO2	CSB-CL013009HU3	BC073973	4005	pENTR223.1	456
LMO3	CSB-CL844705HU	BC026311	55885	pENTR223.1 or pUC	438
LMO4	CSB-CL013011HU	BC003600	8543	pENTR223.1 or pUC	498
LMOD1	CSB-CL013013HU1	BC001755	25802	pENTR223.1 or pUC	810



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LMOD1	CSB-CL013013HU2	BC080187	25802	pENTR223.1 or pUC	1803
LMOD3	CSB-CL605743HU	BC121019	56203	pENTR223.1 or pUC	1683
LMX1A	CSB-CL848414HU	BC066353	4009	pENTR223.1	303
LMX1B	CSB-CL013019HU1	BC069601	4010	pENTR223.1 or pUC	1119
LMX1B	CSB-CL013019HU2	BC113491	4010	pENTR223.1 or pUC	1119
LNP1	CSB-CL013020HU	BC126362	348801	pENTR223.1 or pUC	537
LNK1	CSB-CL848393HU2	BC034737	84708	pENTR223.1 or pUC	1899
LNK1	CSB-CL848393HU1	BC022983	84708	pENTR223.1	2187
LNK2	CSB-CL854035HU	BC036755	222484	pENTR223.1 or pUC	2073
LOH12CR1	CSB-CL822164HU	BC013668	118426	pENTR223.1 or pUC	591
LONRF1	CSB-CL615067HU	BC117381	91694	pENTR223.1 or pUC	1251
LOXL3	CSB-CL013042HU	BC071865	84695	pENTR223.1 or pUC	1827
LOXL4	CSB-CL846643HU2	BC007522	84171	pENTR223.1 or pUC	798
LOXL4	CSB-CL846643HU1	BC013153	84171	pENTR223.1 or pUC	2271
LPAL2	CSB-CL618087HU	BC110570	80350	pENTR223.1 or pUC	399
LPAR1	CSB-CL013047HU1	BC036034	1902	pENTR223.1 or pUC	1095
LPAR1	CSB-CL013047HU2	BC073167	1902	pENTR223.1 or pUC	1041
LPAR2	CSB-CL013048HU	BC025695	9170	pENTR223.1 or pUC	1056
LPAR4	CSB-CL013050HU	BC069996	2846	pENTR223.1 or pUC	1113
LPCAT1	CSB-CL013052HU	BC020166	79888	pENTR223.1	1170
LPGAT1	CSB-CL821685HU	BC034621	9926	pENTR223.1 or pUC	1113
LPHN1	CSB-CL013059HU	BC019928	22859	pENTR223.1 or pUC	606
LPPR2	CSB-CL836219HU	BC009378	64748	pENTR223.1 or pUC	1032
LPXN	CSB-CL013068HU	BC019035	9404	pENTR223.1 or pUC	1161
LRAT	CSB-CL013069HU	BC031053	9227	pENTR223.1	693
LRCH3	CSB-CL842686HU	BC007504	84859	pENTR223.1 or pUC	2139
LRFN5	CSB-CL839382HU	BC043165	145581	pENTR223.1 or pUC	2160



Name	Code	Accession No.	Gene ID	Vector	Length
LRG1	CSB-CL013082HU1	BC034389	116844	pENTR223.1	1044
LRMP	CSB-CL013090HU	BC126417	4033	pENTR223.1 or pUC	1500
LRP12	CSB-CL896728HU1	BC017381	29967	pENTR223.1 or pUC	390
LRP12	CSB-CL896728HU2	BC032109	29967	pENTR223.1 or pUC	2580
LRRC1	CSB-CL871575HU	BC003193	55227	pENTR223.1 or pUC	1575
LRRC10	CSB-CL707685HU	BC106893	376132	pENTR223.1	753
LRRC15	CSB-CL819484HU	BC101065	131578	pENTR223.1 or pUC	1746
LRRC18	CSB-CL839794HU	BC036722	474354	pENTR223.1 or pUC	786
LRRC19	CSB-CL872509HU	BC126156	64922	pENTR223.1 or pUC	1113
LRRC2	CSB-CL866321HU	BC029118	79442	pENTR223.1 or pUC	1116
LRRC20	CSB-CL823454HU	BC024001	55222	pENTR223.1 or pUC	555
LRRC25	CSB-CL854030HU1	BC025744	126364	pENTR223.1 or pUC	303
LRRC25	CSB-CL854030HU2	BC071640	126364	pENTR223.1 or pUC	918
LRRC28	CSB-CL774826HU1	BC019704	123355	pENTR223.1 or pUC	282
LRRC28	CSB-CL774826HU2	BC047306	123355	pENTR223.1 or pUC	1104
LRRC29	CSB-CL819894HU	BC018785	26231	pENTR223.1 or pUC	672
LRRC31	CSB-CL744274HU	BC117401	79782	pENTR223.1 or pUC	1659
LRRC32	CSB-CL618886HU	BC070079	2615	pENTR223.1 or pUC	1989
LRRC37B	CSB-CL822289HU	BC117373	114659	pENTR223.1 or pUC	2691
LRRC39	CSB-CL822195HU	BC009613	127495	pENTR223.1 or pUC	1008
LRRC3B	CSB-CL857000HU	BC040656	116135	pENTR223.1 or pUC	780
LRRC40	CSB-CL881002HU	BC008586	55631	pENTR223.1 or pUC	1809
LRRC41	CSB-CL614889HU	BC004953	10489	pENTR223.1 or pUC	1695
LRRC42	CSB-CL896899HU	BC013101	115353	pENTR223.1 or pUC	1287
LRRC45	CSB-CL850272HU	BC014109	201255	pENTR223.1 or pUC	2013
LRRC46	CSB-CL850295HU	BC010412	90506	pENTR223.1 or pUC	966
LRRC48	CSB-CL887941HU1	BC050419	83450	pENTR223.1 or pUC	1572



Name	Code	Accession No.	Gene ID	Vector	Length
LRRC48	CSB-CL887941HU2	BC047873	83450	pENTR223.1 or pUC	1572
LRRC4C	CSB-CL888027HU	BC041374	57689	pENTR223.1 or pUC	1911
LRRC56	CSB-CL814233HU1	BC035936	115399	pENTR223.1 or pUC	1227
LRRC57	CSB-CL843302HU	BC058935	255252	pENTR223.1 or pUC	720
LRRC59	CSB-CL822177HU	BC017168	55379	pENTR223.1 or pUC	924
LRRC61	CSB-CL871582HU	BC001354	65999	pENTR223.1 or pUC	780
LRRC8B	CSB-CL740748HU	BC030607	23507	pENTR223.1 or pUC	2412
LRRC8D	CSB-CL748719HU1	BC009486	55144	pENTR223.1 or pUC	432
LRRC8E	CSB-CL743982HU	BC022216	80131	pENTR223.1 or pUC	1335
LRRFIP1	CSB-CL654886HU1	BC010662	9208	pENTR223.1	318
LRRFIP1	CSB-CL654886HU2	BC108914	9208	pENTR223.1 or pUC	2427
LRRIQ1	CSB-CL842693HU	BC005399	84125	pENTR223.1 or pUC	723
LRRIQ3	CSB-CL013178HU1	BC062795	127255	pENTR223.1 or pUC	666
LRRIQ3	CSB-CL013178HU2	BC020778	127255	pENTR223.1 or pUC	600
LRRN1	CSB-CL747638HU	BC034947	57633	pENTR223.1 or pUC	2151
LRRN2	CSB-CL013183HU	BC034047	10446	pENTR223.1 or pUC	2142
LRRN3	CSB-CL880968HU	BC035133	54674	pENTR223.1 or pUC	2127
LRRTM2	CSB-CL013188HU	BC126408	26045	pENTR223.1 or pUC	1551
LRRTM3	CSB-CL801239HU	BC113715	347731	pENTR223.1 or pUC	1746
LRRTM4	CSB-CL774813HU1	BC017769	80059	pENTR223.1	624
LRRTM4	CSB-CL774813HU2	BC098267	80059	pENTR223.1 or pUC	1560
LRSAM1	CSB-CL751010HU	BC009239	90678	pENTR223.1 or pUC	2172
LRTM1	CSB-CL884513HU	BC040732	57408	pENTR223.1 or pUC	810
LSAMP	CSB-CL013197HU	BC033803	4045	pENTR223.1 or pUC	1017
LSM1	CSB-CL013199HU	BC001767	27257	pENTR223.1 or pUC	402
LSM10	CSB-CL836169HU	BC007623	84967	pENTR223.1 or pUC	372
LSM14A	CSB-CL822763HU	BC016842	26065	pUC	1392



Name	Code	Accession No.	Gene ID	Vector	Length
LSM14B	CSB-CL880122HU1	BC057387	149986	pENTR223.1 or pUC	666
LSM14B	CSB-CL880122HU2	BC054888	149986	pENTR223.1 or pUC	237
LSM3	CSB-CL013206HU	BC007055	27258	pENTR223.1 or pUC	309
LSM6	CSB-CL013209HU	BC016026	11157	pENTR223.1 or pUC	243
LSM7	CSB-CL890731HU	BC018621	51690	pENTR223.1 or pUC	312
LSMD1	CSB-CL871557HU2	BC006407	84316	pENTR223.1 or pUC	378
LSMD1	CSB-CL871557HU3	BC059944	84316	pENTR223.1 or pUC	378
LSP1	CSB-CL013214HU	BC001785	4046	pENTR223.1 or pUC	1020
LST1	CSB-CL013217HU	BC103856	7940	pENTR223.1 or pUC	201
LTA	CSB-CL013218HU	BC034729	4049	pENTR223.1	618
LTA4H	CSB-CL013219HU	BC032528	4048	pENTR223.1 or pUC	1836
LTBR	CSB-CL013227HU	BC026262	4055	pENTR223.1 or pUC	1308
LTF	CSB-CL013229HU1	BC015822	4057	pENTR223.1 or pUC	2136
LTF	CSB-CL013229HU2	BC015823	4057	pENTR223.1	2136
LTV1	CSB-CL853422HU	BC009855	84946	pENTR223.1 or pUC	1428
LUC7L	CSB-CL878848HU1	BC003194	55692	pENTR223.1 or pUC	978
LUC7L	CSB-CL878848HU2	BC065198	55692	pENTR223.1 or pUC	1065
LUC7L2	CSB-CL896884HU	BC017163	51631	pENTR223.1 or pUC	1179
LUM	CSB-CL013234HU1	BC007038	4060	pENTR223.1	1017
LUM	CSB-CL013234HU2	BC035997	4060	pENTR223.1 or pUC	1017
LUZP2	CSB-CL013236HU	BC132829	338645	pENTR223.1 or pUC	1041
LXN	CSB-CL013240HU1	BC005346	56925	pENTR223.1	669
LXN	CSB-CL013240HU2	BC008438	56925	pENTR223.1 or pUC	669
LY6D	CSB-CL613492HU	BC031330	8581	pENTR223.1 or pUC	387
LY6E	CSB-CL619076HU	BC119708	4061	pENTR223.1 or pUC	396
LY6G6C	CSB-CL013245HU	BC036302	80740	pENTR223.1 or pUC	378
LY6G6D	CSB-CL013246HU	BC125138	58530	pENTR223.1 or pUC	402



Name	Code	Accession No.	Gene ID	Vector	Length
LY6H	CSB-CL013249HU	BC028894	4062	pENTR223.1 or pUC	423
LY86	CSB-CL013252HU	BC038846	9450	pENTR223.1 or pUC	489
LY9	CSB-CL884511HU1	BC064485	4063	pENTR223.1 or pUC	582
LY9	CSB-CL884511HU2	BC121049	4063	pENTR223.1 or pUC	1218
LY9	CSB-CL884511HU3	BC027920	4063	pENTR223.1 or pUC	1218
LY96	CSB-CL013254HU	BC020690	23643	pENTR223.1	483
LYAR	CSB-CL882130HU	BC015796	55646	pENTR223.1 or pUC	1140
LYG1	CSB-CL843138HU	BC029126	129530	pENTR223.1 or pUC	585
LYG2	CSB-CL773017HU	BC100884	254773	pENTR223.1 or pUC	639
LYN	CSB-CL013259HU1	BC126456	4067	pENTR223.1	1539
LYN	CSB-CL013259HU2	BC126458	4067	pENTR223.1	1539
LYPD1	CSB-CL843142HU	BC017318	116372	pENTR223.1 or pUC	426
LYPD2	CSB-CL761498HU	BC119019	137797	pENTR223.1 or pUC	378
LYPD3	CSB-CL013263HU	BC039167	27076	pENTR223.1 or pUC	1041
LYPD4	CSB-CL751011HU	BC034629	147719	pENTR223.1 or pUC	636
LYPD5	CSB-CL764937HU	BC057816	284348	pENTR223.1 or pUC	750
LYPD6B	CSB-CL822823HU	BC018203	130576	pENTR223.1 or pUC	423
LYPLA1	CSB-CL013268HU	BC008652	10434	pENTR223.1	693
LYPLA2	CSB-CL013269HU	BC017034	11313	pENTR223.1 or pUC	696
LYPLAL1	CSB-CL736204HU	BC016711	127018	pENTR223.1 or pUC	714
LYRM1	CSB-CL013272HU	BC017039	57149	pENTR223.1 or pUC	369
LYRM2	CSB-CL885727HU	BC009782	57226	pENTR223.1 or pUC	267
LYRM5	CSB-CL753708HU	BC071769	144363	pENTR223.1 or pUC	267
LYSMD1	CSB-CL836299HU	BC031649	388695	pENTR223.1 or pUC	684
LYSMD2	CSB-CL814207HU	BC022075	256586	pENTR223.1 or pUC	375
LYSMD3	CSB-CL768760HU	BC058027	116068	pENTR223.1 or pUC	384
LYVE1	CSB-CL897574HU	BC026231	10894	pENTR223.1 or pUC	969



Name	Code	Accession No.	Gene ID	Vector	Length
LYZ	CSB-CL013283HU	BC004147	4069	pUC	447
LYZL1	CSB-CL747630HU	BC021730	84569	pENTR223.1 or pUC	585
LYZL2	CSB-CL773594HU	BC066294	119180	pENTR223.1 or pUC	585
LYZL4	CSB-CL839357HU	BC016747	131375	pENTR223.1 or pUC	441
LYZL6	CSB-CL013287HU	BC054481	57151	pENTR223.1 or pUC	447
LZIC	CSB-CL845178HU1	BC007240	84328	pENTR223.1 or pUC	237
LZIC	CSB-CL845178HU2	BC063443	84328	pENTR223.1 or pUC	573
LZTFL1	CSB-CL885687HU1	BC025988	54585	pENTR223.1	900
LZTFL1	CSB-CL885687HU2	BC042483	54585	pENTR223.1	900
LZTS2	CSB-CL874792HU1	BC006212	84445	pENTR223.1 or pUC	2010
MAB21L1	CSB-CL623800HU	BC028170	4081	pENTR223.1 or pUC	1080
MAB21L2	CSB-CL896901HU	BC009983	10586	pENTR223.1 or pUC	1080
MACROD1	CSB-CL860244HU	BC003188	28992	pENTR223.1 or pUC	732
MAD2L1	CSB-CL619756HU	BC000356	4085	pENTR223.1 or pUC	618
MAD2L1BP	CSB-CL624009HU	BC002904	9587	pENTR223.1 or pUC	825
MAD2L2	CSB-CL887064HU	BC015244	10459	pENTR223.1 or pUC	636
MAEL	CSB-CL842695HU	BC028595	84944	pENTR223.1 or pUC	1305
MAF1	CSB-CL872421HU1	BC031273	84232	pENTR223.1	771
MAF1	CSB-CL872421HU2	BC014082	84232	pENTR223.1 or pUC	771
MAGEA1	CSB-CL013323HU	BC017555	4100	pENTR223.1 or pUC	930
MAGEA10	CSB-CL013324HU	BC004105	4109	pENTR223.1 or pUC	1110
MAGEA11	CSB-CL013325HU	BC004479	4110	pENTR223.1 or pUC	960
MAGEA12	CSB-CL013326HU	BC003408	4111	pENTR223.1 or pUC	945
MAGEA2	CSB-CL013327HU	BC013098	4101	pENTR223.1 or pUC	945
MAGEA4	CSB-CL013330HU	BC017723	4103	pENTR223.1 or pUC	954
MAGEA5	CSB-CL013331HU	BC109187	4104	pENTR223.1 or pUC	375
MAGEA8	CSB-CL013334HU	BC002455	4107	pENTR223.1 or pUC	957



Name	Code	Accession No.	Gene ID	Vector	Length
MAGEA9	CSB-CL013335HU	BC002351	4108	pENTR223.1 or pUC	948
MAGEB10	CSB-CL853459HU	BC101308	139422	pENTR223.1 or pUC	1044
MAGEB18	CSB-CL853461HU	BC029525	286514	pENTR223.1 or pUC	1032
MAGEB2	CSB-CL013342HU	BC026071	4113	pENTR223.1 or pUC	960
MAGEB3	CSB-CL013343HU1	BC069784	4114	pENTR223.1 or pUC	1041
MAGEB3	CSB-CL013343HU2	BC126320	4114	pENTR223.1 or pUC	1041
MAGEB4	CSB-CL013344HU	BC032852	4115	pENTR223.1 or pUC	1041
MAGEB6	CSB-CL839821HU	BC067286	158809	pENTR223.1 or pUC	1224
MAGEC2	CSB-CL887003HU1	BC013318	51438	pENTR223.1 or pUC	1122
MAGEC2	CSB-CL887003HU2	BC005891	51438	pENTR223.1 or pUC	1122
MAGEC3	CSB-CL819466HU	BC103893	139081	pENTR223.1 or pUC	1041
MAGED2	CSB-CL891976HU	BC000304	10916	pENTR223.1 or pUC	1821
MAGEF1	CSB-CL881012HU	BC010056	64110	pENTR223.1 or pUC	927
MAGEH1	CSB-CL880949HU	BC011954	28986	pENTR223.1	660
MAGI3	CSB-CL716362HU	BC130409	260425	pUC	3378
MAGIX	CSB-CL872508HU	BC114943	79917	pENTR223.1 or pUC	1029
MAGOH	CSB-CL013364HU	BC018211	4116	pENTR223.1	441
MAGOHB	CSB-CL822175HU	BC010905	55110	pENTR223.1 or pUC	447
MAGT1	CSB-CL880937HU1	BC060842	84061	pENTR223.1	1008
MAGT1	CSB-CL880937HU2	BC063037	84061	pENTR223.1	405
MAK	CSB-CL013369HU	BC039825	4117	pENTR223.1 or pUC	1374
MAK16	CSB-CL863149HU	BC050528	84549	pENTR223.1 or pUC	903
MAL	CSB-CL013372HU	BC000458	4118	pENTR223.1	462
MALL	CSB-CL619748HU	BC003179	7851	pENTR223.1 or pUC	462
MAMDC2	CSB-CL801798HU	BC015417	256691	pENTR223.1 or pUC	699
MAN1B1	CSB-CL891727HU1	BC002953	11253	pENTR223.1	2100
MAN1B1	CSB-CL891727HU2	BC006079	11253	pENTR223.1 or pUC	2100



Name	Code	Accession No.	Gene ID	Vector	Length
MANBAL	CSB-CL889080HU	BC014672	63905	pENTR223.1 or pUC	258
MANSC1	CSB-CL867173HU	BC032998	54682	pENTR223.1 or pUC	1296
MAOA	CSB-CL013398HU	BC008064	4128	pUC	1584
MAOB	CSB-CL013399HU	BC022494	4129	pENTR223.1 or pUC	1563
MAP1LC3A	CSB-CL880971HU	BC015810	84557	pENTR223.1 or pUC	366
MAP1LC3B	CSB-CL887936HU1	BC018634	81631	pENTR223.1	378
MAP1LC3B	CSB-CL887936HU2	BC045759	81631	pENTR223.1	201
MAP2	CSB-CL013408HU	BC038857	4133	pENTR223.1 or pUC	1680
MAP2K3	CSB-CL013412HU	BC032478	5606	pENTR223.1 or pUC	1044
MAP2K5	CSB-CL615667HU	BC008838	5607	pENTR223.1 or pUC	1347
MAP2K6	CSB-CL013415HU	BC012009	5608	pENTR223.1 or pUC	1005
MAP3K12	CSB-CL013420HU	BC050050	7786	pENTR223.1 or pUC	1704
MAP3K13	CSB-CL013421HU	BC111726	9175	pENTR223.1 or pUC	1971
MAP3K3	CSB-CL013425HU	BC010464	4215	pENTR223.1	273
MAP3K7	CSB-CL013429HU	BC017715	6885	pENTR223.1 or pUC	1740
MAP3K8	CSB-CL013433HU	BC113566	1326	pENTR223.1 or pUC	1404
MAP4	CSB-CL013435HU	BC008715	4134	pENTR223.1	2940
MAP4K5	CSB-CL013440HU	BC036013	11183	pENTR223.1 or pUC	2541
MAP7	CSB-CL618880HU	BC025777	9053	pENTR223.1 or pUC	2250
MAPK10	CSB-CL013449HU1	BC065516	5602	pENTR223.1 or pUC	960
MAPK13	CSB-CL013452HU	BC000433	5603	pENTR223.1 or pUC	1098
MAPK14	CSB-CL013453HU	BC000092	1432	pENTR223.1	1083
MAPK15	CSB-CL013454HU	BC028034	225689	pENTR223.1 or pUC	834
MAPK1IP1L	CSB-CL850865HU	BC015621	93487	pENTR223.1 or pUC	738
MAPK6	CSB-CL013458HU	BC035492	5597	pENTR223.1 or pUC	2166
MAPK7	CSB-CL013465HU2	BC009963	5598	pENTR223.1 or pUC	2451
MAPK8	CSB-CL013466HU	BC130570	5599	pENTR223.1 or pUC	1284



Name	Code	Accession No.	Gene ID	Vector	Length
MAPK9	CSB-CL013471HU	BC032539	5601	pENTR223.1 or pUC	1275
MAPKAPK3	CSB-CL620974HU	BC001662	7867	pENTR223.1 or pUC	1149
MAPKAPK5	CSB-CL818241HU	BC041049	8550	pENTR223.1 or pUC	1416
MAPRE1	CSB-CL620890HU	BC109281	22919	pENTR223.1 or pUC	807
MAPRE2	CSB-CL618987HU	BC007318	10982	pENTR223.1 or pUC	984
MAPRE3	CSB-CL892493HU	BC011557	22924	pENTR223.1 or pUC	846
MARCKSL1	CSB-CL013494HU1	BC007904	65108	pENTR223.1 or pUC	588
MARCKSL1	CSB-CL013494HU2	BC066915	65108	pENTR223.1 or pUC	588
MARCO	CSB-CL880072HU	BC016004	8685	pENTR223.1 or pUC	1563
MARK3	CSB-CL013498HU	BC024773	4140	pENTR223.1 or pUC	2190
MARK4	CSB-CL013499HU2	BC071948	57787	pENTR223.1 or pUC	294
MAS1	CSB-CL013505HU1	BC069581	4142	pENTR223.1 or pUC	978
MAS1	CSB-CL013505HU2	BC110454	4142	pENTR223.1 or pUC	978
MAS1L	CSB-CL013506HU	BC069345	116511	pENTR223.1 or pUC	1137
MASP1	CSB-CL013508HU	BC106945	5648	pENTR223.1 or pUC	2187
MAT1A	CSB-CL013516HU	BC018359	4143	pENTR223.1 or pUC	1188
MAT2A	CSB-CL013517HU	BC001686	4144	pENTR223.1 or pUC	1188
MAT2B	CSB-CL882157HU1	BC066645	27430	pENTR223.1	1005
MAT2B	CSB-CL882157HU2	BC005218	27430	pENTR223.1	972
MATN3	CSB-CL013522HU	BC139907	4148	pENTR223.1 or pUC	1461
MATN4	CSB-CL013523HU2	BC131763	8785	pENTR223.1 or pUC	1746
MATR3	CSB-CL013525HU	BC015031	9782	pENTR223.1 or pUC	2544
MAX	CSB-CL013527HU1	BC013669	4149	pENTR223.1	291
MAX	CSB-CL013527HU2	BC025685	4149	pENTR223.1 or pUC	456
MAX	CSB-CL013527HU3	BC036092	4149	pENTR223.1 or pUC	405
MAX	CSB-CL013527HU4	BC003525	4149	pENTR223.1 or pUC	456
MAX	CSB-CL013527HU5	BC004516	4149	pENTR223.1 or pUC	483



Name	Code	Accession No.	Gene ID	Vector	Length
MB	CSB-CL013529HU1	BC014547	4151	pENTR223.1 or pUC	465
MB	CSB-CL013529HU2	BC018001	4151	pENTR223.1 or pUC	300
MBD4	CSB-CL013535HU	BC011752	8930	pENTR223.1 or pUC	1725
MBD5	CSB-CL868388HU	BC014534	55777	pENTR223.1 or pUC	690
MBIP	CSB-CL889101HU1	BC016821	51562	pENTR223.1 or pUC	1032
MBIP	CSB-CL889101HU2	BC005197	51562	pENTR223.1 or pUC	1035
MBL2	CSB-CL013540HU	BC096179	4153	pENTR223.1	747
MBNL1	CSB-CL889088HU1	BC043493	4154	pENTR223.1 or pUC	1149
MBNL1	CSB-CL889088HU2	BC050535	4154	pENTR223.1 or pUC	1032
MBNL2	CSB-CL736209HU	BC104040	10150	pENTR223.1	1104
MBOAT2	CSB-CL765095HU	BC016005	129642	pENTR223.1 or pUC	1053
MBP	CSB-CL013551HU	BC065248	4155	pENTR223.1	594
MBTPS1	CSB-CL617930HU1	BC026330	8720	pENTR223.1 or pUC	1659
MBTPS1	CSB-CL617930HU2	BC114961	8720	pUC	3159
MBTPS2	CSB-CL013557HU	BC036465	51360	pENTR223.1 or pUC	993
MC3R	CSB-CL013560HU1	BC069599	4159	pENTR223.1 or pUC	1083
MC3R	CSB-CL013560HU2	BC098351	4159	pENTR223.1 or pUC	1083
MCART1	CSB-CL875649HU	BC008500	92014	pENTR223.1 or pUC	894
MCART2	CSB-CL662246HU	BC103999	147407	pENTR223.1 or pUC	894
MCCC1	CSB-CL853497HU	BC004187	56922	pENTR223.1 or pUC	2178
MCCC2	CSB-CL867199HU1	BC014897	64087	pENTR223.1 or pUC	990
MCCC2	CSB-CL867199HU2	BC065027	64087	pENTR223.1 or pUC	1692
MCEE	CSB-CL846685HU	BC020825	84693	pENTR223.1 or pUC	531
MCFD2	CSB-CL847752HU	BC040357	90411	pENTR223.1 or pUC	441
MCHR1	CSB-CL013584HU	BC001736	2847	pENTR223.1 or pUC	1269
MCM10	CSB-CL745335HU	BC009108	55388	pENTR223.1 or pUC	1062
MCM2	CSB-CL013590HU1	BC007670	4171	pENTR223.1 or pUC	2715



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MCM3	CSB-CL013591HU	BC001626	4172	pENTR223.1 or pUC	2427
MCM5	CSB-CL013595HU1	BC003656	4174	pENTR223.1 or pUC	2205
MCM5	CSB-CL013595HU2	BC000142	4174	pENTR223.1 or pUC	2205
MCM6	CSB-CL618894HU	BC032374	4175	pENTR223.1 or pUC	2466
MCM7	CSB-CL013597HU1	BC009398	4176	pENTR223.1 or pUC	1170
MCM7	CSB-CL013597HU2	BC013375	4176	pENTR223.1 or pUC	2160
MCM8	CSB-CL890907HU2	BC008830	84515	pENTR223.1	1812
MCM8	CSB-CL890907HU1	BC080656	84515	pENTR223.1 or pUC	2523
MCM9	CSB-CL882135HU	BC031658	254394	pENTR223.1 or pUC	1176
MCOLN1	CSB-CL872417HU	BC005149	57192	pENTR223.1 or pUC	1743
MCOLN3	CSB-CL855055HU	BC060765	55283	pENTR223.1 or pUC	966
MCPH1	CSB-CL839866HU	BC030702	79648	pENTR223.1 or pUC	1548
MCRS1	CSB-CL013611HU	BC011794	10445	pENTR223.1 or pUC	1389
MCTS1	CSB-CL892143HU	BC001013	28985	pENTR223.1 or pUC	546
MDFI	CSB-CL013617HU	BC007836	4188	pENTR223.1 or pUC	741
MDH1	CSB-CL013621HU	BC001484	4190	pUC	1005
MDH2	CSB-CL013623HU	BC001917	4191	pENTR223.1 or pUC	1017
MDK	CSB-CL013624HU	BC011704	4192	pENTR223.1 or pUC	432
MDM1	CSB-CL855045HU1	BC022042	56890	pENTR223.1 or pUC	210
MDM1	CSB-CL855045HU2	BC028355	56890	pENTR223.1	2145
MDM4	CSB-CL013627HU	BC067299	4194	pENTR223.1 or pUC	1473
MEA1	CSB-CL013635HU	BC001754	4201	pENTR223.1 or pUC	558
MECR	CSB-CL887132HU	BC001419	51102	pENTR223.1 or pUC	1122
MED1	CSB-CL621880HU1	BC060758	5469	pENTR223.1	1671
MED16	CSB-CL897475HU2	BC004554	10025	pENTR223.1 or pUC	2526
MED17	CSB-CL865147HU	BC021101	9440	pENTR223.1 or pUC	1956
MED18	CSB-CL871577HU	BC002694	54797	pENTR223.1 or pUC	627



Name	Code	Accession No.	Gene ID	Vector	Length
MED20	CSB-CL862046HU	BC012618	9477	pENTR223.1	639
MED21	CSB-CL619773HU	BC008380	9412	pENTR223.1 or pUC	435
MED22	CSB-CL620882HU	BC040111	6837	pENTR223.1 or pUC	423
MED24	CSB-CL013657HU	BC011375	9862	pENTR223.1 or pUC	2970
MED27	CSB-CL764716HU	BC002878	9442	pENTR223.1 or pUC	213
MED28	CSB-CL863955HU	BC011936	80306	pENTR223.1 or pUC	537
MED30	CSB-CL822225HU	BC008226	90390	pENTR223.1 or pUC	537
MED4	CSB-CL865098HU	BC005189	29079	pENTR223.1 or pUC	813
MED6	CSB-CL013666HU	BC004106	10001	pENTR223.1 or pUC	741
MED7	CSB-CL013667HU	BC005250	9443	pENTR223.1 or pUC	702
MED8	CSB-CL850297HU	BC010543	112950	pENTR223.1 or pUC	639
MED9	CSB-CL868335HU	BC010906	55090	pENTR223.1 or pUC	228
MEF2A	CSB-CL013670HU2	BC053871	4205	pENTR223.1 or pUC	1257
MEF2A	CSB-CL013670HU1	BC013437	4205	pENTR223.1 or pUC	1500
MEF2D	CSB-CL613522HU	BC054520	4209	pENTR223.1 or pUC	1566
MEI1	CSB-CL713139HU	BC032248	150365	pENTR223.1 or pUC	717
MEIS2	CSB-CL013687HU1	BC050431	4212	pENTR223.1	1413
MEIS2	CSB-CL013687HU2	BC001516	4212	pENTR223.1 or pUC	1146
MEMO1	CSB-CL896500HU2	BC070046	51072	pENTR223.1 or pUC	894
MEOX1	CSB-CL013695HU	BC069474	4222	pENTR223.1 or pUC	765
MEPCE	CSB-CL762569HU	BC000556	56257	pENTR223.1 or pUC	663
MERTK	CSB-CL621519HU	BC114918	10461	pENTR223.1 or pUC	2472
MEST	CSB-CL704858HU	BC002413	4232	pENTR223.1 or pUC	1008
METTL1	CSB-CL880065HU	BC000550	4234	pENTR223.1 or pUC	831
METTL10	CSB-CL692281HU	BC026167	399818	pENTR223.1 or pUC	579
METTL11A	CSB-CL880111HU	BC001396	28989	pENTR223.1 or pUC	672
METTL2A	CSB-CL856955HU	BC006985	339175	pENTR223.1 or pUC	729



Name	Code	Accession No.	Gene ID	Vector	Length
METTL6	CSB-CL837430HU	BC022400	131965	pENTR223.1 or pUC	768
METTL7A	CSB-CL862041HU	BC004492	25840	pENTR223.1 or pUC	735
METTL7B	CSB-CL751014HU	BC020509	196410	pENTR223.1 or pUC	585
MFAP1	CSB-CL013745HU	BC023557	4236	pENTR223.1 or pUC	1320
MFAP2	CSB-CL013746HU	BC015039	4237	pENTR223.1 or pUC	552
MFAP3	CSB-CL013747HU	BC026244	4238	pENTR223.1 or pUC	1089
MFAP3L	CSB-CL013748HU	BC001279	9848	pENTR223.1 or pUC	309
MFAP4	CSB-CL013749HU	BC062415	4239	pENTR223.1 or pUC	768
MF12	CSB-CL013754HU	BC001875	4241	pENTR223.1 or pUC	909
MFN1	CSB-CL812879HU	BC040557	55669	pENTR223.1 or pUC	2226
MFSD1	CSB-CL863974HU1	BC042197	64747	pENTR223.1 or pUC	1398
MFSD10	CSB-CL623933HU1	BC001502	10227	pENTR223.1 or pUC	1368
MFSD10	CSB-CL623933HU2	BC014979	10227	pENTR223.1 or pUC	1368
MFSD11	CSB-CL013761HU	BC002753	79157	pENTR223.1 or pUC	1350
MFSD5	CSB-CL747224HU1	BC007703	84975	pENTR223.1 or pUC	1353
MFSD6L	CSB-CL816891HU	BC040487	162387	pENTR223.1 or pUC	1761
MFSD8	CSB-CL844087HU	BC029503	256471	pENTR223.1 or pUC	1557
MFSD9	CSB-CL818755HU	BC006242	84804	pENTR223.1 or pUC	1425
MGAT2	CSB-CL604608HU	BC006390	4247	pENTR223.1 or pUC	1344
MGAT4B	CSB-CL890781HU	BC009464	11282	pENTR223.1 or pUC	891
MGAT5B	CSB-CL667628HU	BC063862	146664	pENTR223.1 or pUC	594
MGLL	CSB-CL013787HU	BC000551	11343	pENTR223.1 or pUC	942
MGMT	CSB-CL013788HU	BC000824	4255	pENTR223.1 or pUC	624
MGP	CSB-CL013789HU	BC005272	4256	pENTR223.1 or pUC	312
MGST2	CSB-CL013792HU	BC025416	4258	pENTR223.1 or pUC	444
MGST3	CSB-CL013793HU1	BC000505	4259	pENTR223.1 or pUC	459
MGST3	CSB-CL013793HU2	BC005964	4259	pENTR223.1 or pUC	459



Name	Code	Accession No.	Gene ID	Vector	Length
MIA	CSB-CL613694HU	BC005910	8190	pENTR223.1 or pUC	396
MIA2	CSB-CL822278HU	BC130537	117153	pENTR223.1 or pUC	1965
MIA3	CSB-CL711448HU	BC047116	375056	pENTR223.1 or pUC	1386
MICA	CSB-CL013806HU	BC016929	4276	pENTR223.1 or pUC	1152
MID1IP1	CSB-CL873607HU	BC008908	58526	pENTR223.1 or pUC	552
MID2	CSB-CL892324HU	BC017707	11043	pENTR223.1 or pUC	2058
MIER1	CSB-CL839773HU1	BC017423	57708	pENTR223.1 or pUC	471
MIER1	CSB-CL839773HU2	BC125217	57708	pENTR223.1 or pUC	1113
MIER2	CSB-CL818692HU	BC028203	54531	pENTR223.1 or pUC	1530
MIF	CSB-CL013826HU	BC000447	4282	pENTR223.1	348
MIF4GD	CSB-CL013827HU	BC033759	57409	pENTR223.1 or pUC	771
MINA	CSB-CL810267HU	BC014928	84864	pENTR223.1	1398
MINPP1	CSB-CL891977HU	BC032504	9562	pENTR223.1 or pUC	1464
MIOX	CSB-CL866220HU1	BC073848	55586	pENTR223.1 or pUC	858
MIPOL1	CSB-CL819463HU	BC035870	145282	pENTR223.1 or pUC	786
MIS12	CSB-CL875639HU	BC000229	79003	pENTR223.1 or pUC	618
MITD1	CSB-CL851970HU	BC018453	129531	pENTR223.1 or pUC	750
MITF	CSB-CL014595HU1	BC026961	4286	pENTR223.1 or pUC	1242
MITF	CSB-CL014595HU2	BC012503	4286	pENTR223.1 or pUC	276
MKI67IP	CSB-CL887161HU1	BC022990	84365	pENTR223.1 or pUC	882
MKI67IP	CSB-CL887161HU2	BC024238	84365	pENTR223.1 or pUC	882
MKNK2	CSB-CL881017HU	BC018345	2872	pENTR223.1 or pUC	477
MKRN2	CSB-CL872420HU	BC015715	23609	pENTR223.1 or pUC	1251
MKRN3	CSB-CL618755HU2	BC070293	7681	pENTR223.1 or pUC	318
MKRN3	CSB-CL618755HU1	BC044639	7681	pENTR223.1 or pUC	1524
MKS1	CSB-CL882132HU	BC010061	54903	pENTR223.1 or pUC	1134
MLC1	CSB-CL613581HU1	BC010518	23209	pENTR223.1	198



Name	Code	Accession No.	Gene ID	Vector	Length
MLC1	CSB-CL613581HU2	BC028425	23209	pENTR223.1	1134
MLF1	CSB-CL014621HU	BC007045	4291	pENTR223.1 or pUC	807
MLF1IP	CSB-CL744481HU1	BC031520	79682	pENTR223.1 or pUC	531
MLF1IP	CSB-CL744481HU2	BC131556	79682	pENTR223.1 or pUC	1257
MLH1	CSB-CL014624HU	BC006850	4292	pENTR223.1	2271
MLKL	CSB-CL850851HU	BC028141	197259	pENTR223.1 or pUC	792
MLL5	CSB-CL818269HU	BC062583	55904	pENTR223.1 or pUC	1830
MLLT10	CSB-CL014632HU	BC080577	8028	pENTR223.1 or pUC	381
MLLT11	CSB-CL618752HU	BC008445	10962	pENTR223.1 or pUC	273
MLLT3	CSB-CL014635HU	BC036089	4300	pENTR223.1 or pUC	1707
MLLT6	CSB-CL014637HU2	BC064612	4302	pENTR223.1	978
MLN	CSB-CL014638HU	BC112314	4295	pENTR223.1	348
MLPH	CSB-CL014640HU1	BC001653	79083	pENTR223.1 or pUC	1803
MLPH	CSB-CL014640HU2	BC051269	79083	pENTR223.1 or pUC	1719
MLX	CSB-CL014643HU	BC010689	6945	pENTR223.1 or pUC	735
MLXIP	CSB-CL862054HU	BC039704	22877	pENTR223.1	654
MMAA	CSB-CL811606HU	BC101179	166785	pENTR223.1 or pUC	1257
MMAB	CSB-CL853413HU1	BC011831	326625	pENTR223.1 or pUC	753
MMACHC	CSB-CL896896HU	BC006122	25974	pENTR223.1 or pUC	678
MMD	CSB-CL614894HU	BC026324	23531	pENTR223.1 or pUC	717
MMD2	CSB-CL814229HU	BC067905	221938	pENTR223.1 or pUC	741
MMGT1	CSB-CL014655HU	BC033588	93380	pENTR223.1	396
MMP12	CSB-CL014659HU	BC112301	4321	pENTR223.1	1413
MMP13	CSB-CL014660HU	BC067522	4322	pENTR223.1	1416
MMP2	CSB-CL014666HU	BC002576	4313	pENTR223.1	1983
MMP28	CSB-CL880950HU1	BC011774	79148	pUC	393
MMP3	CSB-CL014676HU	BC069676	4314	pENTR223.1	1434



Name	Code	Accession No.	Gene ID	Vector	Length
MMP7	CSB-CL014677HU	BC003635	4316	pENTR223.1	804
MMP9	CSB-CL014679HU	BC006093	4318	pENTR223.1 or pUC	2124
MMS19	CSB-CL836306HU1	BC007298	64210	pENTR223.1 or pUC	882
MNAT1	CSB-CL014686HU	BC000820	4331	pENTR223.1 or pUC	930
MND1	CSB-CL880120HU	BC032142	84057	pENTR223.1 or pUC	618
MNT	CSB-CL857452HU	BC117563	4335	pENTR223.1 or pUC	1749
MOAP1	CSB-CL014693HU	BC015044	64112	pENTR223.1 or pUC	1056
MOBP	CSB-CL014701HU	BC022471	4336	pENTR223.1 or pUC	246
MOCS2	CSB-CL014706HU	BC046097	4338	pENTR223.1 or pUC	567
MOCS3	CSB-CL014707HU	BC015939	27304	pENTR223.1 or pUC	1383
MOG	CSB-CL619083HU	BC035938	4340	pENTR223.1	888
MOGAT2	CSB-CL663570HU	BC103878	80168	pENTR223.1	855
MORC1	CSB-CL803127HU	BC050307	27136	pENTR223.1 or pUC	2955
MORC2	CSB-CL896555HU	BC019257	22880	pENTR223.1 or pUC	2913
MORF4L1	CSB-CL883368HU1	BC002936	10933	pENTR223.1 or pUC	972
MORF4L1	CSB-CL883368HU2	BC121092	10933	pENTR223.1 or pUC	708
MORF4L2	CSB-CL613579HU	BC056899	9643	pENTR223.1 or pUC	867
MORN1	CSB-CL722559HU	BC021704	79906	pENTR223.1 or pUC	1053
MORN2	CSB-CL687354HU	BC102035	729967	pENTR223.1 or pUC	240
MORN3	CSB-CL747476HU	BC057760	283385	pENTR223.1 or pUC	723
MORN4	CSB-CL854102HU1	BC022054	118812	pENTR223.1 or pUC	141
MORN4	CSB-CL854102HU2	BC010230	118812	pENTR223.1 or pUC	441
MORN5	CSB-CL736208HU	BC133690	254956	pENTR223.1 or pUC	486
MOV10	CSB-CL862068HU	BC002548	4343	pUC	3012
MPDU1	CSB-CL014744HU	BC001898	9526	pENTR223.1 or pUC	744
MPG	CSB-CL014749HU	BC014991	4350	pENTR223.1	882
MPHOSPH6	CSB-CL014751HU1	BC005242	10200	pENTR223.1 or pUC	483



Name	Code	Accession No.	Gene ID	Vector	Length
MPHOSPH6	CSB-CL014751HU2	BC029395	10200	pENTR223.1 or pUC	168
MPHOSPH6	CSB-CL014751HU3	BC031017	10200	pENTR223.1 or pUC	483
MPI	CSB-CL014754HU1	BC017351	4351	pENTR223.1 or pUC	1089
MPP2	CSB-CL623905HU	BC030287	4355	pENTR223.1 or pUC	1659
MPP4	CSB-CL850318HU	BC132785	58538	pENTR223.1 or pUC	1893
MPP5	CSB-CL847626HU	BC129933	64398	pENTR223.1 or pUC	2028
MPPE1	CSB-CL014765HU1	BC002877	65258	pENTR223.1 or pUC	1002
MPPE1	CSB-CL014765HU2	BC073994	65258	pENTR223.1 or pUC	1026
MPPED1	CSB-CL014767HU	BC028035	758	pENTR223.1 or pUC	981
MPPED2	CSB-CL618997HU	BC031582	744	pENTR223.1 or pUC	885
MPST	CSB-CL014770HU	BC009450	4357	pENTR223.1 or pUC	471
MPV17	CSB-CL014771HU	BC001115	4358	pENTR223.1 or pUC	531
MPZ	CSB-CL014774HU	BC006491	4359	pENTR223.1 or pUC	777
MPZL1	CSB-CL014775HU1	BC019890	9019	pENTR223.1 or pUC	444
MPZL1	CSB-CL014775HU2	BC007881	9019	pENTR223.1	810
MPZL2	CSB-CL014776HU	BC017774	10205	pENTR223.1 or pUC	648
MR1	CSB-CL853268HU	BC012485	3140	pENTR223.1	891
MRAP	CSB-CL851545HU	BC062721	56246	pENTR223.1 or pUC	519
MRAP2	CSB-CL853421HU	BC010003	112609	pENTR223.1 or pUC	618
MRAS	CSB-CL014781HU	BC047690	22808	pENTR223.1	399
MRE11A	CSB-CL014786HU	BC005241	4361	pENTR223.1 or pUC	621
MREG	CSB-CL014788HU	BC032747	55686	pENTR223.1 or pUC	645
MRFAP1	CSB-CL896920HU	BC022797	93621	pENTR223.1 or pUC	384
MRFAP1L1	CSB-CL846634HU1	BC008087	114932	pENTR223.1 or pUC	384
MRFAP1L1	CSB-CL846634HU2	BC066897	114932	pENTR223.1 or pUC	384
MRGPRE	CSB-CL773018HU	BC112203	116534	pENTR223.1 or pUC	936
MRGPRX2	CSB-CL839361HU	BC063450	117194	pENTR223.1 or pUC	993



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MRGPRX3	CSB-CL850382HU	BC067292	117195	pENTR223.1 or pUC	969
MRGPRX4	CSB-CL842705HU	BC107099	117196	pENTR223.1 or pUC	969
MRM1	CSB-CL740239HU1	BC009416	79922	pENTR223.1 or pUC	468
MRM1	CSB-CL740239HU2	BC072411	79922	pENTR223.1 or pUC	1062
MRO	CSB-CL874842HU	BC029860	83876	pENTR223.1 or pUC	747
MRP63	CSB-CL860245HU	BC000002	78988	pENTR223.1 or pUC	309
MRPL1	CSB-CL874841HU1	BC014356	65008	pENTR223.1 or pUC	912
MRPL1	CSB-CL874841HU2	BC015109	65008	pENTR223.1 or pUC	912
MRPL10	CSB-CL767214HU1	BC015904	124995	pENTR223.1 or pUC	786
MRPL10	CSB-CL767214HU2	BC052601	124995	pENTR223.1 or pUC	786
MRPL11	CSB-CL896709HU	BC005002	65003	pENTR223.1 or pUC	579
MRPL12	CSB-CL014817HU	BC002344	6182	pENTR223.1 or pUC	597
MRPL13	CSB-CL861172HU	BC009190	28998	pENTR223.1 or pUC	537
MRPL14	CSB-CL740702HU	BC065005	64928	pENTR223.1 or pUC	438
MRPL15	CSB-CL873716HU	BC000891	29088	pENTR223.1 or pUC	891
MRPL16	CSB-CL882128HU	BC001040	54948	pENTR223.1 or pUC	756
MRPL18	CSB-CL861987HU	BC001623	29074	pENTR223.1 or pUC	543
MRPL19	CSB-CL014826HU	BC030144	9801	pENTR223.1 or pUC	879
MRPL2	CSB-CL735972HU	BC020212	51069	pENTR223.1 or pUC	918
MRPL20	CSB-CL863153HU1	BC009515	55052	pENTR223.1 or pUC	450
MRPL21	CSB-CL773581HU	BC055088	219927	pENTR223.1 or pUC	630
MRPL22	CSB-CL878907HU	BC012565	29093	pENTR223.1 or pUC	621
MRPL27	CSB-CL868378HU	BC001066	51264	pENTR223.1 or pUC	447
MRPL28	CSB-CL621647HU1	BC000990	10573	pENTR223.1 or pUC	771
MRPL28	CSB-CL621647HU2	BC000507	10573	pENTR223.1 or pUC	771
MRPL3	CSB-CL014836HU	BC003375	11222	pENTR223.1 or pUC	1047
MRPL30	CSB-CL819459HU	BC022391	51263	pENTR223.1 or pUC	486



Name	Code	Accession No.	Gene ID	Vector	Length
MRPL32	CSB-CL874840HU	BC013147	64983	pENTR223.1 or pUC	567
MRPL33	CSB-CL014839HU	BC009475	9553	pENTR223.1 or pUC	198
MRPL34	CSB-CL860243HU	BC000071	64981	pENTR223.1 or pUC	279
MRPL35	CSB-CL865189HU	BC020651	51318	pENTR223.1 or pUC	513
MRPL36	CSB-CL885784HU	BC020642	64979	pENTR223.1 or pUC	312
MRPL37	CSB-CL883644HU	BC000041	51253	pENTR223.1 or pUC	1272
MRPL38	CSB-CL856920HU	BC013311	64978	pENTR223.1 or pUC	1041
MRPL39	CSB-CL873693HU	BC004896	54148	pENTR223.1 or pUC	1002
MRPL4	CSB-CL866316HU1	BC009858	51073	pENTR223.1 or pUC	936
MRPL4	CSB-CL866316HU2	BC000756	51073	pENTR223.1 or pUC	792
MRPL40	CSB-CL882072HU	BC009707	64976	pENTR223.1 or pUC	621
MRPL41	CSB-CL811620HU	BC040035	64975	pENTR223.1 or pUC	414
MRPL43	CSB-CL854075HU1	BC015905	84545	pENTR223.1 or pUC	480
MRPL43	CSB-CL854075HU2	BC041165	84545	pENTR223.1 or pUC	648
MRPL43	CSB-CL854075HU3	BC052639	84545	pENTR223.1 or pUC	495
MRPL43	CSB-CL854075HU4	BC053373	84545	pENTR223.1 or pUC	609
MRPL44	CSB-CL864007HU	BC012058	65080	pENTR223.1 or pUC	999
MRPL45	CSB-CL883584HU1	BC006235	84311	pENTR223.1 or pUC	753
MRPL45	CSB-CL883584HU2	BC130382	84311	pENTR223.1 or pUC	921
MRPL46	CSB-CL880959HU	BC017883	26589	pENTR223.1 or pUC	840
MRPL47	CSB-CL872551HU1	BC032522	57129	pENTR223.1 or pUC	693
MRPL47	CSB-CL872551HU2	BC021575	57129	pENTR223.1 or pUC	423
MRPL48	CSB-CL836217HU	BC009764	51642	pENTR223.1 or pUC	639
MRPL49	CSB-CL613399HU	BC004378	740	pENTR223.1 or pUC	501
MRPL50	CSB-CL839804HU	BC032008	54534	pENTR223.1 or pUC	477
MRPL51	CSB-CL687045HU	BC000191	51258	pENTR223.1 or pUC	387
MRPL53	CSB-CL853410HU	BC012163	116540	pENTR223.1 or pUC	339



Name	Code	Accession No.	Gene ID	Vector	Length
MRPL54	CSB-CL747389HU	BC065273	116541	pENTR223.1 or pUC	417
MRPL55	CSB-CL768781HU	BC052806	128308	pENTR223.1 or pUC	387
MRPS10	CSB-CL014875HU	BC012560	55173	pENTR223.1 or pUC	606
MRPS11	CSB-CL014879HU1	BC012489	64963	pENTR223.1 or pUC	582
MRPS11	CSB-CL014879HU2	BC032378	64963	pENTR223.1 or pUC	585
MRPS14	CSB-CL014882HU	BC009788	63931	pENTR223.1 or pUC	387
MRPS15	CSB-CL014883HU	BC031336	64960	pENTR223.1 or pUC	774
MRPS16	CSB-CL897105HU	BC021106	51021	pENTR223.1 or pUC	414
MRPS18A	CSB-CL882117HU	BC010364	55168	pENTR223.1 or pUC	591
MRPS18C	CSB-CL897484HU	BC005186	51023	pUC	429
MRPS2	CSB-CL897102HU	BC008017	51116	pENTR223.1 or pUC	891
MRPS21	CSB-CL014898HU	BC004566	54460	pENTR223.1 or pUC	264
MRPS22	CSB-CL014908HU	BC009296	56945	pENTR223.1 or pUC	1083
MRPS24	CSB-CL842665HU1	BC012167	64951	pENTR223.1 or pUC	504
MRPS24	CSB-CL842665HU2	BC054865	64951	pENTR223.1 or pUC	504
MRPS25	CSB-CL014913HU	BC003590	64432	pENTR223.1 or pUC	522
MRPS27	CSB-CL842129HU1	BC030521	23107	pENTR223.1 or pUC	507
MRPS27	CSB-CL842129HU2	BC064902	23107	pENTR223.1 or pUC	1245
MRPS28	CSB-CL896495HU	BC010150	28957	pENTR223.1 or pUC	564
MRPS30	CSB-CL878837HU	BC007735	10884	pENTR223.1 or pUC	1320
MRPS31	CSB-CL846089HU	BC022045	10240	pENTR223.1 or pUC	1188
MRPS35	CSB-CL014924HU	BC015862	60488	pENTR223.1 or pUC	684
MRPS36	CSB-CL014927HU	BC015966	92259	pENTR223.1 or pUC	312
MRPS5	CSB-CL014934HU	BC014172	64969	pENTR223.1 or pUC	1293
MRPS6	CSB-CL014937HU	BC000547	64968	pENTR223.1 or pUC	378
MRPS7	CSB-CL897534HU	BC000241	51081	pENTR223.1 or pUC	729
MRRF	CSB-CL850282HU	BC013049	92399	pENTR223.1 or pUC	789



Name	Code	Accession No.	Gene ID	Vector	Length
MRS2	CSB-CL864035HU1	BC001028	57380	pENTR223.1 or pUC	354
MRS2	CSB-CL864035HU2	BC069009	57380	pENTR223.1 or pUC	1227
MRT04	CSB-CL892452HU	BC003013	51154	pENTR223.1 or pUC	720
MRV11	CSB-CL896930HU	BC117127	10335	pENTR223.1 or pUC	1794
MS4A1	CSB-CL015007HU	BC002807	931	pENTR223.1	894
MS4A12	CSB-CL885756HU	BC029793	54860	pENTR223.1 or pUC	804
MS4A15	CSB-CL839805HU	BC031610	219995	pENTR223.1 or pUC	444
MS4A3	CSB-CL856947HU	BC008487	932	pENTR223.1 or pUC	645
MS4A4A	CSB-CL822238HU	BC020648	51338	pENTR223.1 or pUC	720
MS4A6A	CSB-CL875659HU	BC022854	64231	pENTR223.1	747
MS4A6E	CSB-CL856919HU	BC069322	245802	pENTR223.1 or pUC	444
MS4A7	CSB-CL875636HU	BC020673	58475	pENTR223.1 or pUC	723
MS4A8B	CSB-CL883629HU	BC022895	83661	pENTR223.1 or pUC	753
MSC	CSB-CL015025HU	BC006313	9242	pENTR223.1	621
MSH2	CSB-CL015028HU	BC021566	4436	pUC	2805
MSH3	CSB-CL015029HU1	BC130436	4437	pUC	3414
MSH4	CSB-CL015030HU	BC033030	4438	pENTR223.1 or pUC	2811
MSH5	CSB-CL015031HU1	BC001358	4439	pENTR223.1 or pUC	2508
MSI2	CSB-CL836197HU1	BC001526	124540	pENTR223.1	987
MSI2	CSB-CL836197HU2	BC017560	124540	pENTR223.1 or pUC	456
MSL3	CSB-CL854049HU	BC031210	10943	pENTR223.1 or pUC	1566
MSMB	CSB-CL015046HU	BC005257	4477	pENTR223.1 or pUC	345
MSN	CSB-CL015048HU	BC017293	4478	pENTR223.1	1734
MSR1	CSB-CL015050HU	BC063878	4481	pENTR223.1 or pUC	1356
MSRA	CSB-CL883456HU	BC054033	4482	pENTR223.1 or pUC	708
MSRB3	CSB-CL810290HU	BC040053	253827	pENTR223.1 or pUC	558
MSTO1	CSB-CL880106HU	BC002535	55154	pENTR223.1 or pUC	1713



Name	Code	Accession No.	Gene ID	Vector	Length
MT1A	CSB-CL015107HU	BC029475	4489	pENTR223.1 or pUC	186
MT1B	CSB-CL015108HU	BC069421	4490	pENTR223.1	186
MT1DP	CSB-CL015110HU	BC130315	326343	pENTR223.1 or pUC	150
MT1E	CSB-CL015111HU	BC009699	4493	pENTR223.1 or pUC	186
MT1F	CSB-CL015112HU	BC029453	4494	pENTR223.1	186
MT1H	CSB-CL015114HU	BC008408	4496	pUC	186
MT1M	CSB-CL847621HU	BC028280	4499	pENTR223.1	186
MT1X	CSB-CL015119HU1	BC032338	4501	pENTR223.1 or pUC	186
MT1X	CSB-CL015119HU2	BC018190	4501	pENTR223.1 or pUC	186
MT2A	CSB-CL015120HU	BC007034	4502	pENTR223.1	186
MT3	CSB-CL015122HU	BC013081	4504	pENTR223.1	207
MT4	CSB-CL015123HU	BC113442	84560	pENTR223.1	189
MTA1	CSB-CL619759HU	BC006177	9112	pENTR223.1	768
MTA3	CSB-CL863118HU	BC004227	57504	pENTR223.1 or pUC	1548
MTAP	CSB-CL622639HU1	BC018625	4507	pENTR223.1 or pUC	465
MTAP	CSB-CL622639HU2	BC026106	4507	pENTR223.1	852
MTCH1	CSB-CL868369HU1	BC000702	23787	pENTR223.1 or pUC	927
MTCH1	CSB-CL868369HU2	BC040659	23787	pENTR223.1 or pUC	1092
MTCH2	CSB-CL897586HU	BC000875	23788	pENTR223.1 or pUC	912
MTCP1	CSB-CL349766HU	BC002600	4515	pENTR223.1 or pUC	207
MTDH	CSB-CL773028HU	BC045642	92140	pENTR223.1	1749
MTERF	CSB-CL857864HU1	BC000965	7978	pENTR223.1 or pUC	1200
MTERF	CSB-CL857864HU2	BC130389	7978	pENTR223.1 or pUC	1200
MTERFD1	CSB-CL822201HU	BC012995	51001	pENTR223.1 or pUC	1254
MTF2	CSB-CL896720HU	BC010013	22823	pENTR223.1 or pUC	1611
MTHFD1L	CSB-CL754385HU1	BC008629	25902	pENTR223.1 or pUC	1101
MTHFD2	CSB-CL015156HU1	BC001548	10797	pENTR223.1 or pUC	1035



Name	Code	Accession No.	Gene ID	Vector	Length
MTHFD2	CSB-CL015156HU2	BC015062	10797	pENTR223.1 or pUC	747
MTHFD2L	CSB-CL872521HU1	BC032771	441024	pENTR223.1 or pUC	441
MTHFS	CSB-CL015159HU	BC019921	10588	pENTR223.1 or pUC	612
MTIF3	CSB-CL862000HU	BC046166	219402	pENTR223.1 or pUC	837
MTM1	CSB-CL614418HU	BC030779	4534	pENTR223.1 or pUC	1812
MTMR10	CSB-CL878912HU	BC063296	54893	pENTR223.1 or pUC	411
MTMR11	CSB-CL015176HU	BC064372	10903	pENTR223.1 or pUC	723
MTMR14	CSB-CL847682HU1	BC001674	64419	pENTR223.1 or pUC	1254
MTMR14	CSB-CL847682HU2	BC035690	64419	pENTR223.1 or pUC	1953
MTMR6	CSB-CL897519HU	BC040012	9107	pENTR223.1 or pUC	1866
MTMR7	CSB-CL896478HU1	BC130579	9108	pENTR223.1	1983
MTMR8	CSB-CL846611HU	BC012399	55613	pENTR223.1 or pUC	2115
MTMR9	CSB-CL847211HU1	BC034990	66036	pENTR223.1 or pUC	1650
MTMR9	CSB-CL847211HU2	BC022003	66036	pENTR223.1 or pUC	1650
MTRF1	CSB-CL015197HU2	BC027731	9617	pENTR223.1	456
MTRR	CSB-CL890659HU2	BC054816	4552	pENTR223.1 or pUC	2097
MTTP	CSB-CL015209HU1	BC062696	4547	pENTR223.1 or pUC	456
MTUS1	CSB-CL892343HU	BC033842	57509	pENTR223.1 or pUC	723
MTX1	CSB-CL621679HU	BC001906	4580	pENTR223.1 or pUC	861
MTX2	CSB-CL015213HU	BC067831	10651	pENTR223.1 or pUC	792
MUC15	CSB-CL822695HU	BC058007	143662	pENTR223.1 or pUC	1005
MUC20	CSB-CL822693HU1	BC029267	200958	pENTR223.1 or pUC	1668
MUC21	CSB-CL713107HU	BC107478	394263	pENTR223.1 or pUC	1251
MUCL1	CSB-CL842658HU	BC111421	118430	pENTR223.1 or pUC	273
MUL1	CSB-CL839281HU	BC010101	79594	pENTR223.1 or pUC	1059
MUM1	CSB-CL648777HU1	BC019585	84939	pENTR223.1 or pUC	570
MUM1	CSB-CL648777HU2	BC008098	84939	pENTR223.1 or pUC	459



Name	Code	Accession No.	Gene ID	Vector	Length
MUM1L1	CSB-CL683012HU	BC109292	139221	pENTR223.1 or pUC	2091
MUSK	CSB-CL015241HU	BC109098	4593	pUC	2352
MUSTN1	CSB-CL814210HU	BC130550	389125	pENTR223.1 or pUC	249
MUTED	CSB-CL837439HU	BC119644	63915	pENTR223.1 or pUC	564
MUTYH	CSB-CL883426HU	BC003178	4595	pENTR223.1 or pUC	1608
MVK	CSB-CL015247HU	BC016140	4598	pENTR223.1	1191
MVP	CSB-CL015248HU	BC015623	9961	pENTR223.1 or pUC	2682
MX1	CSB-CL015249HU	BC032602	4599	pENTR223.1 or pUC	1989
MXD3	CSB-CL015252HU	BC000745	83463	pENTR223.1 or pUC	621
MXD4	CSB-CL015253HU	BC002713	10608	pENTR223.1 or pUC	177
MXI1	CSB-CL015254HU1	BC012907	4601	pENTR223.1 or pUC	549
MXI1	CSB-CL015254HU2	BC035128	4601	pENTR223.1 or pUC	705
MXRA7	CSB-CL015256HU	BC053983	439921	pENTR223.1 or pUC	513
MYADM	CSB-CL015258HU	BC013995	91663	pENTR223.1 or pUC	969
MYBPC2	CSB-CL618884HU	BC130536	4606	pUC	3426
MYBPHL	CSB-CL015269HU1	BC132900	343263	pENTR223.1 or pUC	1065
MYBPHL	CSB-CL015269HU2	BC132902	343263	pENTR223.1 or pUC	1065
MYCBP	CSB-CL858710HU	BC008686	26292	pENTR223.1 or pUC	312
MYCT1	CSB-CL839809HU1	BC022556	80177	pENTR223.1 or pUC	564
MYCT1	CSB-CL839809HU2	BC128463	80177	pENTR223.1 or pUC	708
MYD88	CSB-CL859945HU	BC013589	4615	pENTR223.1	891
MYEF2	CSB-CL015283HU	BC014533	50804	pENTR223.1 or pUC	636
MYEOV	CSB-CL856930HU	BC011815	26579	pENTR223.1 or pUC	942
MYF6	CSB-CL015288HU	BC017834	4618	pENTR223.1 or pUC	729
MYH7B	CSB-CL015301HU	BC069327	57644	pENTR223.1 or pUC	528
MYH9	CSB-CL015303HU	BC011915	4627	pENTR223.1 or pUC	429
MYL1	CSB-CL015305HU	BC005318	4632	pENTR223.1 or pUC	453



Name	Code	Accession No.	Gene ID	Vector	Length
MYL2	CSB-CL015309HU	BC015821	4633	pUC	501
MYL3	CSB-CL015310HU	BC009790	4634	pENTR223.1	588
MYL6	CSB-CL015313HU1	BC017455	4637	pENTR223.1 or pUC	456
MYL6	CSB-CL015313HU2	BC006781	4637	pENTR223.1 or pUC	456
MYL6	CSB-CL015313HU3	BC071661	4637	pENTR223.1 or pUC	456
MYL6B	CSB-CL015314HU1	BC012425	140465	pENTR223.1 or pUC	627
MYL6B	CSB-CL015314HU2	BC014400	140465	pENTR223.1 or pUC	627
MYLIP	CSB-CL855506HU	BC002860	29116	pENTR223.1 or pUC	1338
MYLK2	CSB-CL863953HU2	BC127622	85366	pENTR223.1 or pUC	1791
MYLK3	CSB-CL658362HU	BC109097	91807	pENTR223.1 or pUC	2388
MYLPF	CSB-CL856892HU	BC012571	29895	pENTR223.1 or pUC	510
MYNN	CSB-CL015330HU	BC033620	55892	pENTR223.1 or pUC	1833
MYO10	CSB-CL884628HU	BC041694	4651	pENTR223.1 or pUC	294
MYO19	CSB-CL836223HU	BC008900	80179	pENTR223.1 or pUC	2313
MYO1C	CSB-CL015340HU1	BC068013	4641	pUC	3087
MYO1D	CSB-CL015341HU	BC030602	4642	pENTR223.1 or pUC	1311
MYO1F	CSB-CL015343HU	BC028071	4542	pUC	3297
MYO5C	CSB-CL873627HU	BC064841	55930	pENTR223.1 or pUC	1293
MYOC	CSB-CL859950HU	BC029261	4653	pUC	1515
MYOT	CSB-CL015364HU	BC005376	9499	pENTR223.1 or pUC	1497
MYOZ1	CSB-CL889066HU	BC025753	58529	pENTR223.1 or pUC	900
MYOZ2	CSB-CL873609HU1	BC017402	51778	pENTR223.1 or pUC	795
MYOZ2	CSB-CL873609HU2	BC005195	51778	pENTR223.1 or pUC	795
N4BP2L1	CSB-CL725897HU	BC022188	90634	pENTR223.1 or pUC	522
N4BP2L2	CSB-CL838813HU	BC010643	10443	pENTR223.1 or pUC	1752
N6AMT1	CSB-CL010286HU	BC011554	29104	pENTR223.1 or pUC	561
N6AMT2	CSB-CL819896HU	BC018091	221143	pENTR223.1 or pUC	645



Name	Code	Accession No.	Gene ID	Vector	Length
NAALAD2	CSB-CL896715HU1	BC038840	10003	pENTR223.1 or pUC	954
NAALADL2	CSB-CL704507HU	BC057243	254827	pENTR223.1 or pUC	963
NAB1	CSB-CL618783HU	BC035724	4664	pENTR223.1 or pUC	1464
NAB2	CSB-CL614899HU1	BC007756	4665	pENTR223.1	726
NACA2	CSB-CL887940HU	BC062710	342538	pENTR223.1 or pUC	648
NADK	CSB-CL015409HU	BC001709	65220	pENTR223.1 or pUC	1341
NAE1	CSB-CL613411HU	BC000480	8883	pENTR223.1	1605
NAGK	CSB-CL883457HU1	BC001029	55577	pENTR223.1 or pUC	1035
NAGK	CSB-CL883457HU2	BC005371	55577	pENTR223.1 or pUC	1035
NAGS	CSB-CL843136HU	BC111713	162417	pENTR223.1 or pUC	1107
NAIF1	CSB-CL715122HU	BC021580	203245	pENTR223.1 or pUC	519
NALCN	CSB-CL815590HU2	BC064343	259232	pENTR223.1	657
NALCN	CSB-CL815590HU1	BC028390	259232	pENTR223.1 or pUC	2007
NAMPT	CSB-CL015422HU	BC072439	10135	pENTR223.1	1476
NANOGP8	CSB-CL754125HU	BC098275	388112	pENTR223.1 or pUC	918
NANOS2	CSB-CL015437HU	BC117484	339345	pENTR223.1 or pUC	417
NANOS3	CSB-CL015438HU	BC101209	342977	pENTR223.1 or pUC	579
NANP	CSB-CL855041HU	BC022552	140838	pENTR223.1 or pUC	747
NAP1L1	CSB-CL015441HU	BC002387	4673	pENTR223.1 or pUC	1176
NAP1L3	CSB-CL015443HU	BC034954	4675	pENTR223.1 or pUC	1521
NAP1L4	CSB-CL015444HU	BC022090	4676	pENTR223.1 or pUC	1128
NAPA	CSB-CL015447HU	BC001165	8775	pENTR223.1 or pUC	888
NAPB	CSB-CL863947HU	BC060840	63908	pENTR223.1 or pUC	897
NAPEPLD	CSB-CL764247HU	BC071604	222236	pENTR223.1 or pUC	1182
NAPG	CSB-CL860352HU	BC001889	8774	pENTR223.1 or pUC	939
NAPRT1	CSB-CL744323HU1	BC032466	93100	pENTR223.1 or pUC	933
NAPSA	CSB-CL015452HU	BC017842	9476	pENTR223.1	1263



Name	Code	Accession No.	Gene ID	Vector	Length
NARF	CSB-CL015454HU1	BC016440	26502	pENTR223.1 or pUC	1227
NARF	CSB-CL015454HU2	BC000438	26502	pENTR223.1 or pUC	1509
NARFL	CSB-CL863991HU	BC030248	64428	pENTR223.1 or pUC	1431
NARG2	CSB-CL717659HU	BC013684	79664	pENTR223.1 or pUC	999
NARS	CSB-CL015459HU	BC001687	4677	pENTR223.1 or pUC	1647
NARS2	CSB-CL856950HU	BC007800	79731	pENTR223.1 or pUC	1434
NAT1	CSB-CL015464HU	BC047666	9	pENTR223.1	873
NAT2	CSB-CL015471HU	BC015878	10	pENTR223.1 or pUC	873
NAT8	CSB-CL887033HU	BC012626	9027	pENTR223.1 or pUC	684
NAT9	CSB-CL874805HU	BC004225	26151	pENTR223.1 or pUC	621
NAV1	CSB-CL015478HU	BC007523	89796	pENTR223.1 or pUC	1680
NBL1	CSB-CL015485HU	BC012037	4681	pENTR223.1	543
NBPF1	CSB-CL668096HU	BC034418	55672	pENTR223.1	1812
NBPF3	CSB-CL872422HU	BC024011	84224	pENTR223.1 or pUC	1017
NBR2	CSB-CL015509HU	BC034248	10230	pENTR223.1 or pUC	192
NCALD	CSB-CL015510HU1	BC036098	83988	pENTR223.1 or pUC	582
NCALD	CSB-CL015510HU2	BC063428	83988	pENTR223.1 or pUC	582
NCAPD3	CSB-CL015515HU	BC011408	23310	pENTR223.1 or pUC	1023
NCAPG	CSB-CL857766HU1	BC000827	64151	pENTR223.1 or pUC	1308
NCAPG	CSB-CL857766HU2	BC068467	64151	pUC	3048
NCAPH	CSB-CL621857HU	BC024211	23397	pENTR223.1 or pUC	2226
NCAPH2	CSB-CL746912HU1	BC014939	29781	pENTR223.1 or pUC	1371
NCAPH2	CSB-CL746912HU4	BC000473	29781	pENTR223.1 or pUC	750
NCAPH2	CSB-CL746912HU2	BC001298	29781	pENTR223.1 or pUC	1620
NCBP2	CSB-CL015521HU	BC001255	22916	pENTR223.1 or pUC	471
NCF2	CSB-CL015528HU	BC001606	4688	pENTR223.1	1581
NCK1	CSB-CL015530HU	BC006403	4690	pENTR223.1 or pUC	1134



Name	Code	Accession No.	Gene ID	Vector	Length
NCK2	CSB-CL015531HU	BC000103	8440	pENTR223.1 or pUC	1143
NCL	CSB-CL015535HU	BC002343	4691	pENTR223.1 or pUC	1449
NCOA3	CSB-CL015541HU	BC119001	8202	pUC	4263
NCOA4	CSB-CL015542HU1	BC012736	8031	pENTR223.1	1728
NCOA4	CSB-CL015542HU2	BC001562	8031	pENTR223.1 or pUC	1845
NCOA5	CSB-CL015544HU	BC056872	57727	pENTR223.1	948
NCOA7	CSB-CL015546HU	BC071782	135112	pENTR223.1 or pUC	309
NCR1	CSB-CL015549HU	BC064806	9437	pENTR223.1 or pUC	912
NCR3	CSB-CL015551HU1	BC052582	259197	pENTR223.1 or pUC	606
NCR3	CSB-CL015551HU2	BC018752	259197	pENTR223.1 or pUC	534
NCSTN	CSB-CL015600HU	BC047621	23385	pENTR223.1 or pUC	2070
NDC80	CSB-CL015601HU	BC035617	10403	pENTR223.1	1929
NDE1	CSB-CL889142HU	BC001421	54820	pENTR223.1 or pUC	1008
NDEL1	CSB-CL872414HU	BC026101	81565	pENTR223.1 or pUC	1038
NDFIP1	CSB-CL887119HU	BC004317	80762	pENTR223.1 or pUC	666
NDFIP2	CSB-CL885735HU	BC021988	54602	pENTR223.1 or pUC	729
NDOR1	CSB-CL883387HU	BC015735	27158	pENTR223.1 or pUC	1794
NDRG1	CSB-CL835678HU1	BC003175	10397	pENTR223.1 or pUC	1185
NDRG1	CSB-CL835678HU2	BC006260	10397	pENTR223.1	330
NDRG2	CSB-CL891788HU1	BC010458	57447	pENTR223.1 or pUC	1074
NDRG2	CSB-CL891788HU2	BC011240	57447	pENTR223.1 or pUC	1083
NDRG4	CSB-CL890932HU	BC011795	65009	pUC	1020
NDST1	CSB-CL015614HU	BC012888	3340	pENTR223.1 or pUC	1671
NDST2	CSB-CL015615HU	BC035711	8509	pENTR223.1 or pUC	2652
NDST3	CSB-CL015616HU	BC109309	9348	pENTR223.1 or pUC	2622
NDUFA1	CSB-CL015618HU	BC000266	4694	pENTR223.1 or pUC	213
NDUFA10	CSB-CL015619HU	BC003417	4705	pENTR223.1 or pUC	1068



Name	Code	Accession No.	Gene ID	Vector	Length
NDUFA12	CSB-CL883413HU	BC005936	55967	pENTR223.1 or pUC	438
NDUFA13	CSB-CL889167HU	BC009189	51079	pENTR223.1 or pUC	435
NDUFA2	CSB-CL015623HU	BC003674	4695	pENTR223.1 or pUC	300
NDUFA3	CSB-CL015624HU	BC061644	4696	pENTR223.1 or pUC	255
NDUFA4L2	CSB-CL878874HU	BC011910	56901	pENTR223.1 or pUC	264
NDUFA5	CSB-CL614988HU	BC000813	4698	pENTR223.1 or pUC	351
NDUFA6	CSB-CL015631HU	BC002772	4700	pENTR223.1 or pUC	387
NDUFA7	CSB-CL015632HU	BC003102	4701	pENTR223.1 or pUC	342
NDUFA9	CSB-CL624119HU2	BC009311	4704	pENTR223.1 or pUC	1134
NDUFAF1	CSB-CL897101HU	BC000780	51103	pENTR223.1 or pUC	984
NDUFB1	CSB-CL015641HU1	BC009691	4707	pENTR223.1	177
NDUFB1	CSB-CL015641HU2	BC126232	4707	pENTR223.1 or pUC	318
NDUFB10	CSB-CL015642HU2	BC005829	4716	pENTR223.1 or pUC	519
NDUFB11	CSB-CL868343HU	BC010665	54539	pENTR223.1 or pUC	462
NDUFB3	CSB-CL015645HU	BC018183	4709	pENTR223.1	297
NDUFB5	CSB-CL015652HU	BC009796	4711	pENTR223.1 or pUC	570
NDUFB6	CSB-CL015653HU	BC009801	4712	pENTR223.1 or pUC	387
NDUFB8	CSB-CL015655HU	BC000466	4714	pENTR223.1 or pUC	561
NDUFB9	CSB-CL897317HU	BC007672	4715	pENTR223.1 or pUC	540
NDUFC2	CSB-CL015659HU	BC007323	4718	pENTR223.1 or pUC	360
NDUFS1	CSB-CL015660HU1	BC012068	4719	pENTR223.1 or pUC	768
NDUFS1	CSB-CL015660HU2	BC022368	4719	pENTR223.1 or pUC	2184
NDUFS4	CSB-CL015663HU	BC005270	4724	pENTR223.1 or pUC	528
NDUFS5	CSB-CL015664HU	BC001884	4725	pENTR223.1 or pUC	321
NDUFS6	CSB-CL015665HU	BC046155	4726	pENTR223.1	375
NDUFS7	CSB-CL015666HU	BC005954	374291	pENTR223.1 or pUC	642
NDUFV1	CSB-CL015668HU1	BC008146	4723	pENTR223.1 or pUC	1368



Name	Code	Accession No.	Gene ID	Vector	Length
NDUFV2	CSB-CL015669HU	BC001632	4729	pENTR223.1 or pUC	750
NDUFV3	CSB-CL015671HU2	BC033766	4731	pENTR223.1 or pUC	327
NECAB2	CSB-CL800222HU1	BC016979	54550	pENTR223.1 or pUC	720
NECAB2	CSB-CL800222HU2	BC131615	54550	pENTR223.1 or pUC	654
NECAP1	CSB-CL850857HU	BC002888	25977	pENTR223.1 or pUC	402
NECAP2	CSB-CL878901HU	BC017014	55707	pENTR223.1 or pUC	792
NEDD1	CSB-CL822820HU	BC027605	121441	pENTR223.1 or pUC	1983
NEDD8	CSB-CL618018HU	BC104201	4738	pENTR223.1 or pUC	246
NEDD9	CSB-CL622771HU	BC020686	4739	pENTR223.1 or pUC	525
NEFL	CSB-CL015688HU1	BC066952	4747	pENTR223.1	855
NEGR1	CSB-CL015692HU	BC036771	257194	pENTR223.1	681
NEIL1	CSB-CL846619HU	BC010876	79661	pENTR223.1 or pUC	1173
NEK11	CSB-CL844052HU	BC028587	79858	pENTR223.1 or pUC	1449
NEK2	CSB-CL015699HU	BC065932	4751	pENTR223.1 or pUC	645
NEK3	CSB-CL015701HU	BC019916	4752	pENTR223.1 or pUC	1521
NEK6	CSB-CL872543HU	BC000101	10783	pENTR223.1 or pUC	942
NELL2	CSB-CL859098HU	BC020544	4753	pENTR223.1 or pUC	2451
NET1	CSB-CL768775HU1	BC010285	10276	pENTR223.1 or pUC	1629
NET1	CSB-CL768775HU2	BC053553	10276	pENTR223.1 or pUC	1791
NETO2	CSB-CL818759HU	BC012381	81831	pENTR223.1 or pUC	447
NEU1	CSB-CL858714HU	BC000722	4758	pENTR223.1	1248
NEU2	CSB-CL896716HU	BC107053	4759	pENTR223.1 or pUC	1143
NEU4	CSB-CL848831HU2	BC117214	129807	pENTR223.1 or pUC	1491
NEUROD1	CSB-CL615700HU	BC009046	4760	pENTR223.1 or pUC	1071
NEUROG3	CSB-CL896521HU	BC117488	50674	pENTR223.1	645
NEXN	CSB-CL605897HU	BC114444	91624	pENTR223.1 or pUC	1704
NF2	CSB-CL015741HU1	BC007279	4771	pENTR223.1 or pUC	249



Name	Code	Accession No.	Gene ID	Vector	Length
NF2	CSB-CL015741HU2	BC003112	4771	pENTR223.1	1524
NFAM1	CSB-CL850874HU	BC038241	150372	pENTR223.1 or pUC	657
NFATC2IP	CSB-CL822758HU1	BC018311	84901	pENTR223.1 or pUC	417
NFATC2IP	CSB-CL822758HU2	BC068007	84901	pENTR223.1 or pUC	384
NFE2	CSB-CL618088HU	BC005044	4778	pENTR223.1 or pUC	1122
NFE2L1	CSB-CL614530HU	BC010623	4779	pENTR223.1 or pUC	2229
NFE2L2	CSB-CL614961HU	BC011558	4780	pENTR223.1 or pUC	1818
NFIA	CSB-CL619635HU	BC022264	4774	pENTR223.1 or pUC	1497
NFIB	CSB-CL015755HU	BC001283	4781	pENTR223.1	1263
NFIC	CSB-CL015756HU	BC012120	4782	pENTR223.1 or pUC	1287
NFIX	CSB-CL617941HU	BC117113	4784	pENTR223.1 or pUC	1323
NFKBIA	CSB-CL015761HU1	BC002601	4792	pENTR223.1 or pUC	954
NFKBID	CSB-CL844092HU1	BC006273	84807	pENTR223.1 or pUC	453
NFKBIE	CSB-CL015764HU	BC011676	4794	pENTR223.1	1086
NFU1	CSB-CL891972HU	BC113692	27247	pENTR223.1 or pUC	765
NFYA	CSB-CL015773HU	BC039244	4800	pENTR223.1 or pUC	957
NFYB	CSB-CL015774HU1	BC007035	4801	pENTR223.1 or pUC	624
NFYB	CSB-CL015774HU2	BC005316	4801	pENTR223.1 or pUC	624
NGB	CSB-CL015776HU	BC032509	58157	pENTR223.1 or pUC	456
NGDN	CSB-CL822772HU	BC030817	25983	pENTR223.1 or pUC	948
NGEF	CSB-CL850809HU	BC031573	25791	pENTR223.1 or pUC	2133
NGF	CSB-CL015779HU	BC126148	4803	pENTR223.1	726
NGLY1	CSB-CL853434HU	BC007226	55768	pENTR223.1 or pUC	1965
NHLRC1	CSB-CL740936HU	BC103888	378884	pENTR223.1 or pUC	1188
NHLRC2	CSB-CL850853HU	BC032598	374354	pENTR223.1 or pUC	1104
NHP2	CSB-CL873677HU	BC000009	55651	pENTR223.1 or pUC	462
NHP2L1	CSB-CL015794HU1	BC005358	4809	pENTR223.1 or pUC	387



Name	Code	Accession No.	Gene ID	Vector	Length
NHP2L1	CSB-CL015794HU2	BC019282	4809	pENTR223.1 or pUC	387
NICN1	CSB-CL866273HU	BC005050	84276	pENTR223.1 or pUC	642
NID2	CSB-CL614513HU	BC035608	22795	pENTR223.1 or pUC	2910
NIF3L1	CSB-CL880926HU	BC007654	60491	pENTR223.1 or pUC	1134
NINJ1	CSB-CL856441HU1	BC004440	4814	pENTR223.1 or pUC	459
NINJ2	CSB-CL885775HU	BC057766	4815	pENTR223.1 or pUC	429
NIP7	CSB-CL897077HU	BC015941	51388	pENTR223.1 or pUC	543
NIPA1	CSB-CL742399HU	BC025678	123606	pENTR223.1 or pUC	765
NIPA2	CSB-CL847659HU	BC011775	81614	pENTR223.1 or pUC	1083
NIPBL	CSB-CL750379HU	BC033847	25836	pENTR223.1	528
NIPSNAP3A	CSB-CL890675HU	BC005935	25934	pENTR223.1 or pUC	744
NIPSNAP3B	CSB-CL880093HU	BC005202	55335	pENTR223.1 or pUC	744
NIT1	CSB-CL768228HU	BC046149	4817	pENTR223.1 or pUC	732
NIT2	CSB-CL882075HU	BC020620	56954	pENTR223.1 or pUC	831
NKAIN1	CSB-CL679664HU	BC098249	79570	pENTR223.1 or pUC	492
NKAIN4	CSB-CL818240HU	BC041812	128414	pENTR223.1 or pUC	627
NKAP	CSB-CL847637HU1	BC015354	79576	pENTR223.1	1248
NKAP	CSB-CL847637HU2	BC032442	79576	pENTR223.1 or pUC	1248
NKG7	CSB-CL613690HU	BC015759	4818	pENTR223.1 or pUC	498
NKIRAS1	CSB-CL885767HU	BC012145	28512	pENTR223.1 or pUC	579
NKIRAS2	CSB-CL873696HU	BC007450	28511	pENTR223.1 or pUC	576
NKPD1	CSB-CL623170HU	BC117228	284353	pENTR223.1 or pUC	1833
NLGN1	CSB-CL839786HU	BC032555	22871	pENTR223.1 or pUC	2472
NLGN4X	CSB-CL843131HU	BC034018	57502	pENTR223.1 or pUC	2451
NLGN4Y	CSB-CL818786HU1	BC032567	22829	pENTR223.1 or pUC	405
NLN	CSB-CL863161HU	BC001644	57486	pENTR223.1 or pUC	1824
NLRC4	CSB-CL873615HU	BC031555	58484	pUC	3075



Name	Code	Accession No.	Gene ID	Vector	Length
NLRP1	CSB-CL871630HU	BC016965	22861	pENTR223.1 or pUC	441
NLRP12	CSB-CL015867HU	BC028069	91662	pUC	3186
NLRX1	CSB-CL015878HU	BC013199	79671	pENTR223.1	2079
NMB	CSB-CL015880HU1	BC007407	4828	pENTR223.1	465
NMB	CSB-CL015880HU2	BC008603	4828	pENTR223.1 or pUC	366
NMD3	CSB-CL836194HU	BC013317	51068	pENTR223.1 or pUC	1512
NME1	CSB-CL015884HU	BC000293	4830	pENTR223.1	459
NME5	CSB-CL015890HU	BC026182	8382	pENTR223.1 or pUC	639
NME6	CSB-CL015891HU	BC001808	10201	pENTR223.1 or pUC	585
NME7	CSB-CL897289HU	BC006983	29922	pENTR223.1 or pUC	1131
NMI	CSB-CL618768HU1	BC021987	9111	pENTR223.1	924
NMI	CSB-CL618768HU2	BC001268	9111	pENTR223.1 or pUC	924
NMNAT1	CSB-CL864012HU	BC014943	64802	pENTR223.1 or pUC	840
NMNAT3	CSB-CL839418HU	BC034374	349565	pENTR223.1 or pUC	648
NMRAL1	CSB-CL867194HU	BC002927	57407	pENTR223.1 or pUC	900
NMT2	CSB-CL015901HU	BC006376	9397	pENTR223.1 or pUC	1497
NMUR1	CSB-CL884509HU1	BC036543	10316	pENTR223.1 or pUC	1281
NMUR2	CSB-CL875632HU1	BC016938	56923	pENTR223.1 or pUC	1248
NMUR2	CSB-CL875632HU2	BC067776	56923	pENTR223.1 or pUC	1248
NNAT	CSB-CL015905HU	BC001768	4826	pENTR223.1 or pUC	246
NNMT	CSB-CL015906HU	BC000234	4837	pENTR223.1 or pUC	795
NNT	CSB-CL615685HU1	BC032370	23530	pENTR223.1	624
NOB1	CSB-CL892472HU	BC064630	28987	pENTR223.1 or pUC	1239
NOC4L	CSB-CL863131HU1	BC001191	79050	pENTR223.1 or pUC	1551
NOD1	CSB-CL896866HU	BC040339	10392	pENTR223.1	2862
NOL10	CSB-CL015918HU	BC005125	79954	pENTR223.1	2067
NOL3	CSB-CL015921HU	BC012798	8996	pENTR223.1	627



Name	Code	Accession No.	Gene ID	Vector	Length
NOL4	CSB-CL015922HU	BC000313	8715	pENTR223.1 or pUC	1269
NOL6	CSB-CL872506HU1	BC008298	65083	pENTR223.1 or pUC	603
NOL9	CSB-CL725557HU	BC112278	79707	pENTR223.1 or pUC	2109
NOLC1	CSB-CL015929HU	BC006769	9221	pENTR223.1	1257
NOMO3	CSB-CL015933HU	BC006531	408050	pENTR223.1 or pUC	1992
NONO	CSB-CL624018HU1	BC010049	4841	pENTR223.1 or pUC	1023
NONO	CSB-CL624018HU2	BC002364	4841	pENTR223.1	1416
NOP10	CSB-CL873610HU	BC008886	55505	pENTR223.1 or pUC	195
NOP14	CSB-CL015936HU	BC026035	8602	pENTR223.1 or pUC	2421
NOP16	CSB-CL897104HU1	BC032424	51491	pENTR223.1 or pUC	699
NOP16	CSB-CL897104HU2	BC040106	51491	pENTR223.1 or pUC	537
NOSIP	CSB-CL897477HU1	BC009299	51070	pENTR223.1 or pUC	906
NOSIP	CSB-CL897477HU2	BC011249	51070	pENTR223.1 or pUC	906
NOSTRIN	CSB-CL818236HU	BC014189	115677	pENTR223.1 or pUC	1287
NOTCH2NL	CSB-CL768762HU1	BC019835	388677	pENTR223.1 or pUC	711
NOTCH2NL	CSB-CL768762HU2	BC010154	388677	pENTR223.1 or pUC	711
NOTUM	CSB-CL747435HU	BC060882	147111	pENTR223.1 or pUC	1293
NOX4	CSB-CL015961HU	BC040105	50507	pENTR223.1	1737
NPBWR1	CSB-CL015972HU	BC107101	2831	pENTR223.1 or pUC	987
NPBWR2	CSB-CL015973HU2	BC067482	2832	pENTR223.1 or pUC	1002
NPC2	CSB-CL015976HU	BC002532	10577	pENTR223.1 or pUC	456
NPEPL1	CSB-CL818770HU	BC020507	79716	pENTR223.1 or pUC	1236
NPFF	CSB-CL015981HU	BC104234	8620	pENTR223.1 or pUC	351
NPFFR2	CSB-CL015983HU	BC113713	10886	pENTR223.1 or pUC	1263
NPHP1	CSB-CL015985HU1	BC009789	4867	pENTR223.1	366
NPL	CSB-CL874830HU1	BC058003	80896	pENTR223.1 or pUC	723
NPL	CSB-CL874830HU2	BC125051	80896	pENTR223.1 or pUC	963



Name	Code	Accession No.	Gene ID	Vector	Length
NPL	CSB-CL874830HU3	BC042003	80896	pENTR223.1 or pUC	723
NPM1	CSB-CL015996HU1	BC002398	4869	pENTR223.1 or pUC	885
NPM1	CSB-CL015996HU2	BC021983	4869	pENTR223.1 or pUC	885
NPM1	CSB-CL015996HU3	BC016768	4869	pENTR223.1 or pUC	885
NPM1	CSB-CL015996HU4	BC009623	4869	pENTR223.1 or pUC	798
NPM1	CSB-CL015996HU5	BC003670	4869	pENTR223.1 or pUC	645
NPM1	CSB-CL015996HU6	BC012566	4869	pENTR223.1	885
NPM2	CSB-CL774790HU	BC068078	10361	pENTR223.1 or pUC	411
NPM3	CSB-CL016018HU	BC054868	10360	pENTR223.1 or pUC	537
NPPA	CSB-CL016020HU	BC005893	4878	pENTR223.1 or pUC	462
NPPB	CSB-CL016021HU	BC025785	4879	pENTR223.1 or pUC	405
NPSR1	CSB-CL757818HU	BC132693	387129	pENTR223.1 or pUC	1134
NPTN	CSB-CL016028HU	BC117462	27020	pENTR223.1 or pUC	849
NPY	CSB-CL016034HU	BC029497	4852	pENTR223.1	294
NPY1R	CSB-CL016035HU	BC036657	4886	pENTR223.1 or pUC	1155
NQO2	CSB-CL016040HU	BC006096	4835	pENTR223.1 or pUC	696
NR0B1	CSB-CL016041HU	BC011564	190	pENTR223.1 or pUC	1413
NR0B2	CSB-CL624025HU	BC030207	8431	pENTR223.1 or pUC	774
NR1D2	CSB-CL623948HU	BC070035	9975	pENTR223.1 or pUC	1227
NR1H3	CSB-CL619753HU1	BC008819	10062	pENTR223.1 or pUC	1164
NR1H3	CSB-CL619753HU2	BC041172	10062	pENTR223.1 or pUC	1209
NR1H4	CSB-CL839406HU	BC130573	9971	pENTR223.1 or pUC	1431
NR1I2	CSB-CL016048HU	BC017304	8856	pENTR223.1 or pUC	1137
NR1I3	CSB-CL622930HU	BC069626	9970	pENTR223.1	1059
NR2C1	CSB-CL016051HU	BC040141	7181	pENTR223.1 or pUC	1404
NR2C2AP	CSB-CL016053HU	BC057837	126382	pENTR223.1 or pUC	420
NR3C1	CSB-CL016059HU	BC015610	2908	pENTR223.1	2334



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NR4A2	CSB-CL016063HU	BC009288	4929	pENTR223.1	1797
NR5A1	CSB-CL623795HU	BC032501	2516	pENTR223.1 or pUC	1386
NR5A2	CSB-CL016066HU	BC118652	2494	pENTR223.1 or pUC	1488
NRARP	CSB-CL770360HU	BC053618	441478	pENTR223.1 or pUC	345
NRBF2	CSB-CL822209HU	BC011707	29982	pENTR223.1 or pUC	864
NRBP1	CSB-CL883410HU	BC001221	29959	pENTR223.1	1608
NRBP2	CSB-CL878883HU	BC113873	340371	pENTR223.1 or pUC	777
NRF1	CSB-CL016076HU	BC016925	4899	pENTR223.1 or pUC	1569
NRG4	CSB-CL848829HU	BC017568	145957	pENTR223.1	348
NRIP2	CSB-CL880083HU	BC131562	83714	pENTR223.1 or pUC	846
NRIP3	CSB-CL868283HU	BC008835	56675	pENTR223.1	726
NRM	CSB-CL816902HU	BC039865	11270	pENTR223.1	789
NRN1	CSB-CL868277HU	BC002683	51299	pENTR223.1 or pUC	429
NRN1L	CSB-CL670967HU	BC100864	123904	pENTR223.1 or pUC	498
NRP1	CSB-CL016091HU1	BC007737	8829	pENTR223.1 or pUC	1830
NRP1	CSB-CL016091HU2	BC007533	8829	pENTR223.1 or pUC	1935
NRP2	CSB-CL016092HU1	BC009222	8828	pENTR223.1	300
NRP2	CSB-CL016092HU2	BC117413	8828	pENTR223.1	2781
NRSN1	CSB-CL815587HU	BC023514	140767	pENTR223.1 or pUC	588
NRSN2	CSB-CL884422HU	BC001963	80023	pENTR223.1 or pUC	615
NRXN3	CSB-CL875730HU	BC059368	9369	pENTR223.1 or pUC	1299
NSDHL	CSB-CL618994HU	BC000245	50814	pENTR223.1 or pUC	1122
NSFL1C	CSB-CL892163HU	BC002801	55968	pENTR223.1 or pUC	1113
NSL1	CSB-CL839345HU	BC007067	25936	pENTR223.1 or pUC	846
NSMCE2	CSB-CL836260HU	BC032797	286053	pUC	744
NSUN3	CSB-CL867156HU	BC057238	63899	pENTR223.1 or pUC	1023
NSUN4	CSB-CL850270HU	BC014441	387338	pENTR223.1 or pUC	1155



Name	Code	Accession No.	Gene ID	Vector	Length
NSUN5	CSB-CL839386HU	BC008084	55695	pENTR223.1 or pUC	1401
NSUN6	CSB-CL823470HU	BC035778	221078	pENTR223.1 or pUC	1410
NSUN7	CSB-CL822769HU	BC036568	79730	pENTR223.1 or pUC	1428
NT5C3	CSB-CL867122HU1	BC015856	51251	pENTR223.1 or pUC	861
NT5C3	CSB-CL867122HU2	BC071652	51251	pENTR223.1 or pUC	996
NT5C3L	CSB-CL853374HU1	BC014132	115024	pENTR223.1 or pUC	879
NT5C3L	CSB-CL853374HU2	BC013742	115024	pENTR223.1 or pUC	774
NT5DC1	CSB-CL716365HU	BC015138	221294	pENTR223.1 or pUC	855
NTAN1	CSB-CL822176HU	BC017336	123803	pENTR223.1 or pUC	933
NTF3	CSB-CL016120HU1	BC069773	4908	pENTR223.1	774
NTF3	CSB-CL016120HU2	BC107075	4908	pENTR223.1 or pUC	774
NTF4	CSB-CL016121HU	BC012421	4909	pENTR223.1 or pUC	633
NTN4	CSB-CL881014HU	BC013591	59277	pENTR223.1 or pUC	1026
NTN5	CSB-CL845138HU	BC033207	126147	pENTR223.1 or pUC	1470
NTNG1	CSB-CL897091HU	BC030220	22854	pENTR223.1 or pUC	1317
NTRK2	CSB-CL619082HU	BC031835	4915	pENTR223.1 or pUC	1434
NTRK3	CSB-CL621947HU	BC013693	4916	pENTR223.1 or pUC	1839
NTS	CSB-CL016136HU	BC010918	4922	pENTR223.1 or pUC	513
NUBP1	CSB-CL016142HU	BC109323	4682	pENTR223.1 or pUC	963
NUBP2	CSB-CL896918HU	BC008005	10101	pENTR223.1 or pUC	816
NUBPL	CSB-CL819450HU	BC024919	80224	pENTR223.1 or pUC	870
NUDCD2	CSB-CL840986HU	BC017934	134492	pENTR223.1 or pUC	474
NUDCD3	CSB-CL811605HU1	BC003691	23386	pENTR223.1	663
NUDT1	CSB-CL016154HU1	BC014618	4521	pENTR223.1 or pUC	540
NUDT1	CSB-CL016154HU2	BC051375	4521	pENTR223.1 or pUC	471
NUDT10	CSB-CL839873HU1	BC049383	170685	pENTR223.1 or pUC	495
NUDT10	CSB-CL839873HU2	BC050700	170685	pENTR223.1 or pUC	495



Name	Code	Accession No.	Gene ID	Vector	Length
NUDT11	CSB-CL836216HU	BC009942	55190	pENTR223.1 or pUC	495
NUDT13	CSB-CL769800HU	BC046173	25961	pENTR223.1 or pUC	792
NUDT14	CSB-CL016159HU	BC041584	256281	pENTR223.1 or pUC	669
NUDT16	CSB-CL850278HU	BC031215	131870	pENTR223.1 or pUC	489
NUDT16L1	CSB-CL863105HU	BC006223	84309	pENTR223.1 or pUC	636
NUDT18	CSB-CL754578HU	BC016902	79873	pENTR223.1 or pUC	972
NUDT21	CSB-CL016170HU	BC001403	11051	pENTR223.1 or pUC	684
NUDT3	CSB-CL530966HU	BC007727	11165	pENTR223.1	519
NUDT4	CSB-CL865192HU1	BC012069	11163	pENTR223.1 or pUC	546
NUDT4	CSB-CL865192HU2	BC051310	11163	pENTR223.1 or pUC	543
NUDT9	CSB-CL880117HU	BC000542	53343	pENTR223.1 or pUC	1053
NUF2	CSB-CL871623HU	BC008489	83540	pENTR223.1 or pUC	1395
NUFIP1	CSB-CL887039HU	BC017745	26747	pENTR223.1 or pUC	831
NUFIP2	CSB-CL773588HU	BC129990	57532	pENTR223.1 or pUC	2088
NUMB	CSB-CL016186HU1	BC033824	8650	pENTR223.1 or pUC	408
NUMB	CSB-CL016186HU2	BC020788	8650	pENTR223.1	738
NUP155	CSB-CL016191HU	BC039257	9631	pUC	4176
NUP160	CSB-CL614254HU1	BC009822	23279	pENTR223.1 or pUC	573
NUP35	CSB-CL836735HU	BC047029	129401	pENTR223.1 or pUC	981
NUP37	CSB-CL847704HU	BC000861	79023	pENTR223.1 or pUC	981
NUP43	CSB-CL844045HU	BC065028	348995	pENTR223.1 or pUC	1143
NUP50	CSB-CL892338HU1	BC016055	10762	pENTR223.1 or pUC	1323
NUP54	CSB-CL800098HU	BC012559	53371	pENTR223.1 or pUC	1482
NUP62	CSB-CL016204HU1	BC003663	23636	pENTR223.1	1569
NUP62	CSB-CL016204HU2	BC050717	23636	pENTR223.1	1569
NUP62CL	CSB-CL872433HU1	BC016327	54830	pENTR223.1 or pUC	555
NUP62CL	CSB-CL872433HU2	BC017799	54830	pENTR223.1 or pUC	219



Name	Code	Accession No.	Gene ID	Vector	Length
NUP85	CSB-CL874821HU	BC000697	79902	pENTR223.1 or pUC	1971
NUPL1	CSB-CL887135HU	BC001104	9818	pENTR223.1 or pUC	1800
NUPL2	CSB-CL016211HU	BC005327	11097	pENTR223.1 or pUC	675
NUPR1	CSB-CL527662HU	BC002434	26471	pENTR223.1 or pUC	249
NUSAP1	CSB-CL887151HU1	BC010838	51203	pENTR223.1 or pUC	678
NUSAP1	CSB-CL887151HU2	BC012887	51203	pENTR223.1 or pUC	1323
NUSAP1	CSB-CL887151HU3	BC001308	51203	pENTR223.1 or pUC	1323
NUSAP1	CSB-CL887151HU4	BC024772	51203	pENTR223.1 or pUC	1320
NUTF2	CSB-CL016214HU	BC002348	10204	pENTR223.1 or pUC	384
NVL	CSB-CL016216HU	BC012105	4931	pENTR223.1 or pUC	1980
NXF1	CSB-CL016218HU	BC004904	10482	pENTR223.1	1860
NXF2	CSB-CL016219HU	BC015020	56001	pENTR223.1 or pUC	1881
NXF3	CSB-CL016221HU	BC031616	56000	pENTR223.1 or pUC	1596
NXF5	CSB-CL016223HU	BC131708	55998	pENTR223.1 or pUC	1098
NXNL2	CSB-CL726124HU	BC022521	158046	pENTR223.1 or pUC	408
NXPH1	CSB-CL016227HU	BC047505	30010	pENTR223.1	816
NXPH2	CSB-CL016228HU	BC101461	11249	pENTR223.1 or pUC	795
NXPH3	CSB-CL016229HU	BC022541	11248	pENTR223.1 or pUC	759
NXT1	CSB-CL890736HU	BC000759	29107	pENTR223.1 or pUC	423
NXT2	CSB-CL889074HU1	BC014888	55916	pENTR223.1 or pUC	429
NXT2	CSB-CL889074HU2	BC120984	55916	pENTR223.1 or pUC	594
OASL	CSB-CL614897HU	BC117408	8638	pENTR223.1 or pUC	1545
OAT	CSB-CL016242HU1	BC016928	4942	pENTR223.1	1320
OAT	CSB-CL016242HU2	BC000964	4942	pENTR223.1 or pUC	1320
OAZ1	CSB-CL016245HU	BC093652	4946	pENTR223.1 or pUC	207
OAZ3	CSB-CL016247HU	BC073949	51686	pENTR223.1 or pUC	573
OBFC1	CSB-CL880983HU	BC017400	79991	pENTR223.1	1107



Name	Code	Accession No.	Gene ID	Vector	Length
OBFC2A	CSB-CL850257HU	BC017114	64859	pENTR223.1 or pUC	615
OBSCN	CSB-CL729422HU	BC098262	84033	pENTR223.1 or pUC	501
OBSL1	CSB-CL016254HU	BC061909	23363	pENTR223.1 or pUC	186
OCIAD1	CSB-CL882129HU	BC003409	54940	pENTR223.1 or pUC	738
OCIAD2	CSB-CL704099HU	BC032808	132299	pENTR223.1 or pUC	300
OCLM	CSB-CL016262HU	BC093987	10896	pENTR223.1 or pUC	135
OCLN	CSB-CL016263HU	BC029886	4950	pENTR223.1 or pUC	1569
OCM	CSB-CL317613HU	BC069468	654231	pENTR223.1 or pUC	330
ODAM	CSB-CL016268HU	BC017796	54959	pENTR223.1 or pUC	462
ODC1	CSB-CL016269HU	BC025296	4953	pENTR223.1 or pUC	1386
ODF1	CSB-CL613531HU	BC104457	4956	pENTR223.1 or pUC	753
ODF2	CSB-CL691501HU	BC010629	4957	pENTR223.1	2292
ODF2L	CSB-CL891737HU	BC009779	57489	pENTR223.1 or pUC	231
ODF3	CSB-CL847205HU	BC126222	113746	pENTR223.1 or pUC	765
ODF3L1	CSB-CL814225HU	BC039862	161753	pENTR223.1 or pUC	825
OFCC1	CSB-CL809031HU	BC113541	266553	pENTR223.1 or pUC	696
OFD1	CSB-CL016289HU	BC096344	8481	pENTR223.1 or pUC	2919
OGDHL	CSB-CL892464HU	BC026320	55753	pUC	3033
OGFOD2	CSB-CL754021HU	BC098293	79676	pENTR223.1 or pUC	561
OGG1	CSB-CL016313HU	BC000657	4968	pENTR223.1 or pUC	1038
OGN	CSB-CL016314HU	BC037273	4969	pENTR223.1	897
OIP5	CSB-CL016316HU	BC015050	11339	pENTR223.1 or pUC	690
OIT3	CSB-CL848834HU	BC126440	170392	pENTR223.1 or pUC	966
OLA1	CSB-CL016318HU1	BC012842	29789	pENTR223.1 or pUC	1191
OLA1	CSB-CL016318HU2	BC013925	29789	pENTR223.1 or pUC	837
OLAH	CSB-CL878894HU	BC050372	55301	pENTR223.1 or pUC	798
OLFM1	CSB-CL858725HU	BC008763	10439	pENTR223.1 or pUC	1404



Name	Code	Accession No.	Gene ID	Vector	Length
OLFM2	CSB-CL016321HU	BC011361	93145	pENTR223.1	1365
OLFM3	CSB-CL836274HU	BC022531	118427	pENTR223.1	1377
OLFML1	CSB-CL740917HU	BC035895	283298	pENTR223.1 or pUC	1209
OLFML2A	CSB-CL731560HU	BC054001	169611	pENTR223.1 or pUC	1317
OLFML2B	CSB-CL734650HU	BC067274	25903	pENTR223.1 or pUC	2253
OLFML3	CSB-CL885708HU	BC009920	56944	pENTR223.1 or pUC	1221
OMA1	CSB-CL856923HU	BC012915	115209	pENTR223.1 or pUC	1575
OMG	CSB-CL016334HU	BC018050	4974	pENTR223.1 or pUC	1323
OMP	CSB-CL016335HU	BC069365	4975	pENTR223.1 or pUC	492
OPALIN	CSB-CL822279HU	BC033737	93377	pENTR223.1 or pUC	426
OPHN1	CSB-CL016348HU	BC059393	4983	pENTR223.1 or pUC	936
OPN5	CSB-CL740895HU	BC126194	221391	pENTR223.1 or pUC	1065
OPRL1	CSB-CL016360HU	BC038433	4987	pENTR223.1 or pUC	1113
OPTN	CSB-CL016363HU1	BC013876	10133	pENTR223.1	1734
OPTN	CSB-CL016363HU2	BC032762	10133	pENTR223.1	1716
OR10H1	CSB-CL896512HU	BC130360	26539	pENTR223.1 or pUC	957
OR10H2	CSB-CL016396HU	BC113647	26538	pENTR223.1 or pUC	948
OR10H3	CSB-CL016397HU	BC113844	26532	pENTR223.1 or pUC	951
OR10W1	CSB-CL818793HU	BC132848	81341	pENTR223.1 or pUC	918
OR11A1	CSB-CL861971HU	BC131608	26531	pENTR223.1 or pUC	948
OR1D2	CSB-CL016490HU	BC106735	4991	pENTR223.1 or pUC	939
OR1E2	CSB-CL016495HU	BC121105	8388	pENTR223.1 or pUC	972
OR2A4	CSB-CL016532HU	BC120953	79541	pENTR223.1 or pUC	933
OR2B6	CSB-CL016561HU	BC109251	26212	pENTR223.1 or pUC	942
OR2C1	CSB-CL016565HU1	BC069456	4993	pENTR223.1 or pUC	939
OR2C1	CSB-CL016565HU2	BC126269	4993	pENTR223.1 or pUC	939
OR2C3	CSB-CL854050HU	BC030717	81472	pENTR223.1 or pUC	960



Name	Code	Accession No.	Gene ID	Vector	Length
OR2H1	CSB-CL875629HU	BC048991	26716	pENTR223.1 or pUC	951
OR2K2	CSB-CL844071HU	BC111086	26248	pENTR223.1 or pUC	951
OR2L13	CSB-CL822694HU	BC028158	284521	pENTR223.1 or pUC	939
OR2S2	CSB-CL873623HU	BC113651	56656	pENTR223.1 or pUC	960
OR3A1	CSB-CL016636HU	BC096187	4994	pENTR223.1 or pUC	948
OR51E2	CSB-CL861998HU	BC020768	81285	pENTR223.1 or pUC	963
OR5F1	CSB-CL016940HU	BC101239	338674	pENTR223.1 or pUC	945
OR5L1	CSB-CL839894HU	BC109249	219437	pENTR223.1 or pUC	936
OR5P2	CSB-CL851980HU	BC113557	120065	pENTR223.1 or pUC	969
OR7A17	CSB-CL017047HU	BC117357	26333	pENTR223.1 or pUC	930
OR7C1	CSB-CL017055HU	BC117212	26664	pENTR223.1 or pUC	963
OR8B8	CSB-CL620887HU	BC130393	26493	pENTR223.1 or pUC	936
ORAI1	CSB-CL846601HU1	BC015369	84876	pENTR223.1 or pUC	717
ORAI1	CSB-CL846601HU2	BC013386	84876	pENTR223.1 or pUC	717
ORM1	CSB-CL017237HU	BC026238	5004	pENTR223.1	606
ORM2	CSB-CL017238HU	BC015964	5005	pENTR223.1 or pUC	606
ORMDL1	CSB-CL868379HU	BC005200	94101	pENTR223.1 or pUC	462
ORMDL2	CSB-CL690476HU	BC012543	29095	pENTR223.1 or pUC	462
ORMDL3	CSB-CL854016HU1	BC000638	94103	pENTR223.1 or pUC	435
ORMDL3	CSB-CL854016HU2	BC017087	94103	pENTR223.1 or pUC	462
OS9	CSB-CL613402HU1	BC007254	10956	pENTR223.1 or pUC	1839
OSBPL11	CSB-CL874829HU	BC010422	114885	pENTR223.1 or pUC	1104
OSBPL2	CSB-CL884442HU	BC000296	9885	pENTR223.1 or pUC	1443
OSBPL6	CSB-CL883645HU	BC052259	114880	pENTR223.1 or pUC	1527
OSGEP	CSB-CL878842HU	BC032310	55644	pENTR223.1 or pUC	1008
OSGEPL1	CSB-CL884466HU	BC011904	64172	pENTR223.1 or pUC	1245
OSGIN2	CSB-CL897460HU	BC031054	734	pENTR223.1 or pUC	1518



Name	Code	Accession No.	Gene ID	Vector	Length
OSM	CSB-CL017260HU	BC011589	5008	pENTR223.1	759
OSMR	CSB-CL857869HU1	BC063468	9180	pENTR223.1 or pUC	648
OSR2	CSB-CL822691HU	BC016936	116039	pENTR223.1 or pUC	831
O STF1	CSB-CL835708HU	BC007459	26578	pENTR223.1 or pUC	654
OSTN	CSB-CL017269HU	BC128106	344901	pENTR223.1 or pUC	402
OTUB1	CSB-CL842673HU1	BC007519	55611	pENTR223.1 or pUC	816
OTUB1	CSB-CL842673HU2	BC010368	55611	pENTR223.1 or pUC	816
OTUB2	CSB-CL836196HU1	BC009615	78990	pENTR223.1	222
OTUB2	CSB-CL836196HU2	BC000208	78990	pENTR223.1 or pUC	195
OTUB2	CSB-CL836196HU3	BC068058	78990	pENTR223.1 or pUC	705
OTUD3	CSB-CL719399HU	BC134416	23252	pENTR223.1 or pUC	534
OTUD6B	CSB-CL847646HU	BC029760	51633	pENTR223.1 or pUC	882
OTX1	CSB-CL017298HU	BC007621	5013	pENTR223.1 or pUC	1065
OTX2	CSB-CL017299HU	BC032579	5015	pENTR223.1	894
OVOL1	CSB-CL017303HU	BC059408	5017	pENTR223.1 or pUC	804
OVOS2	CSB-CL753691HU	BC046190	144203	pENTR223.1 or pUC	288
OXA1L	CSB-CL613583HU	BC112331	5018	pENTR223.1 or pUC	1491
OXCT1	CSB-CL017306HU	BC009001	5019	pENTR223.1 or pUC	1563
OXGR1	CSB-CL839388HU	BC103881	27199	pENTR223.1 or pUC	1014
OXNAD1	CSB-CL839337HU	BC008322	92106	pENTR223.1 or pUC	939
OXR1	CSB-CL854043HU	BC032710	55074	pENTR223.1 or pUC	2277
OXSM	CSB-CL868340HU	BC008202	54995	pENTR223.1 or pUC	1380
P2RX1	CSB-CL017319HU1	BC044657	5023	pENTR223.1 or pUC	1200
P2RX1	CSB-CL017319HU2	BC027949	5023	pENTR223.1 or pUC	528
P2RX4	CSB-CL859513HU	BC033826	5025	pENTR223.1	1167
P2RX5	CSB-CL842353HU	BC039015	5026	pENTR223.1 or pUC	1269
P2RX6	CSB-CL017324HU	BC109209	9127	pENTR223.1 or pUC	1218



Name	Code	Accession No.	Gene ID	Vector	Length
P2RY10	CSB-CL017327HU	BC051875	27334	pENTR223.1 or pUC	1020
P2RY12	CSB-CL861997HU	BC017898	64805	pENTR223.1	1029
P2RY13	CSB-CL860651HU	BC041116	53829	pENTR223.1 or pUC	1002
P2RY14	CSB-CL624023HU	BC034989	9934	pENTR223.1 or pUC	1017
P2RY2	CSB-CL017334HU2	BC028135	5029	pENTR223.1 or pUC	1134
P2RY4	CSB-CL017335HU	BC096067	5030	pENTR223.1 or pUC	1098
P4HA2	CSB-CL017340HU1	BC035813	8974	pENTR223.1 or pUC	1602
P4HA3	CSB-CL772021HU2	BC126170	283208	pENTR223.1 or pUC	1635
P4HB	CSB-CL017342HU1	BC014504	5034	pENTR223.1 or pUC	558
P4HB	CSB-CL017342HU2	BC010859	5034	pENTR223.1	1527
PA2G4	CSB-CL891987HU	BC001951	5036	pENTR223.1 or pUC	1185
PAAF1	CSB-CL017351HU1	BC021541	80227	pENTR223.1 or pUC	1179
PAAF1	CSB-CL017351HU2	BC006142	80227	pENTR223.1 or pUC	1179
PABPC1	CSB-CL017352HU	BC015958	26986	pENTR223.1 or pUC	1911
PABPC3	CSB-CL875663HU	BC027617	5042	pENTR223.1 or pUC	1896
PABPC5	CSB-CL850281HU	BC063113	140886	pENTR223.1 or pUC	1149
PACRG	CSB-CL836258HU1	BC030642	135138	pENTR223.1 or pUC	774
PACRG	CSB-CL836258HU2	BC044227	135138	pENTR223.1 or pUC	774
PACRGL	CSB-CL850819HU	BC023002	133015	pENTR223.1 or pUC	666
PAC SIN1	CSB-CL866312HU	BC040228	29993	pENTR223.1 or pUC	1335
PAC SIN2	CSB-CL890765HU	BC008037	11252	pENTR223.1 or pUC	1461
PADI1	CSB-CL891543HU	BC130574	29943	pENTR223.1 or pUC	1992
PADI2	CSB-CL896493HU	BC009701	11240	pENTR223.1 or pUC	1314
PADI3	CSB-CL891552HU	BC109092	51702	pENTR223.1 or pUC	1995
PADI4	CSB-CL890757HU	BC025718	23569	pENTR223.1	1992
PAEP	CSB-CL017381HU	BC069451	5047	pUC	543
PAF1	CSB-CL843285HU	BC000017	54623	pENTR223.1 or pUC	1596



Name	Code	Accession No.	Gene ID	Vector	Length
PAFAH1B2	CSB-CL017384HU	BC000398	5049	pENTR223.1 or pUC	690
PAFAH1B3	CSB-CL619963HU	BC003016	5050	pENTR223.1 or pUC	696
PAGE1	CSB-CL017390HU	BC004861	8712	pENTR223.1	441
PAGE2	CSB-CL770343HU	BC054022	203569	pENTR223.1 or pUC	336
PAGE2B	CSB-CL708481HU	BC130359	389860	pENTR223.1 or pUC	336
PAGE4	CSB-CL017394HU	BC010897	9506	pUC	309
PAGE5	CSB-CL856943HU1	BC009230	90737	pENTR223.1 or pUC	393
PAGE5	CSB-CL856943HU2	BC110803	90737	pENTR223.1 or pUC	333
PAH	CSB-CL017396HU	BC026251	5053	pENTR223.1	1359
PAICS	CSB-CL017397HU	BC010273	10606	pENTR223.1 or pUC	1278
PAIP1	CSB-CL880930HU	BC005295	10605	pENTR223.1 or pUC	1203
PAIP2	CSB-CL859027HU	BC001716	51247	pENTR223.1 or pUC	384
PAK1	CSB-CL613382HU	BC109299	5058	pENTR223.1 or pUC	1638
PAK1IP1	CSB-CL873672HU	BC010907	55003	pENTR223.1 or pUC	1179
PAK4	CSB-CL017408HU2	BC002921	10298	pENTR223.1	1281
PAK6	CSB-CL865108HU	BC035596	56924	pENTR223.1	2046
PAK7	CSB-CL885798HU	BC024179	57144	pENTR223.1	2160
PALM2	CSB-CL811621HU	BC039306	114299	pENTR223.1 or pUC	1140
PALMD	CSB-CL017416HU	BC012570	54873	pENTR223.1 or pUC	1656
PANK1	CSB-CL017421HU	BC026296	53354	pENTR223.1 or pUC	414
PANK2	CSB-CL874850HU	BC009421	80025	pENTR223.1 or pUC	405
PANX1	CSB-CL857017HU	BC016931	24145	pENTR223.1	1281
PAPLN	CSB-CL017431HU	BC042057	89932	pENTR223.1 or pUC	390
PAPOLA	CSB-CL017432HU	BC000927	10914	pENTR223.1 or pUC	858
PAPOLB	CSB-CL882087HU	BC036653	56903	pENTR223.1 or pUC	1914
PAPSS1	CSB-CL527325HU1	BC011392	9061	pENTR223.1 or pUC	1812
PAPSS1	CSB-CL527325HU2	BC050627	9061	pENTR223.1 or pUC	1875



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PAQR5	CSB-CL889141HU	BC039234	54852	pENTR223.1 or pUC	993
PAQR7	CSB-CL768224HU	BC034015	164091	pENTR223.1 or pUC	1041
PAQR8	CSB-CL848420HU	BC030664	85315	pENTR223.1 or pUC	1065
PARD3	CSB-CL819481HU	BC011711	56288	pENTR223.1 or pUC	1044
PARD6B	CSB-CL861174HU	BC060847	84612	pENTR223.1 or pUC	1119
PARK2	CSB-CL017451HU	BC022014	5071	pENTR223.1 or pUC	1164
PARK7	CSB-CL860342HU	BC008188	11315	pENTR223.1	570
PARL	CSB-CL880960HU2	BC003653	55486	pENTR223.1 or pUC	990
PARN	CSB-CL017456HU	BC050029	5073	pENTR223.1 or pUC	1920
PARP11	CSB-CL885698HU1	BC017569	57097	pENTR223.1 or pUC	996
PARP11	CSB-CL885698HU2	BC031073	57097	pENTR223.1 or pUC	699
PARP6	CSB-CL647549HU1	BC015176	56965	pENTR223.1	330
PARP6	CSB-CL647549HU2	BC026955	56965	pENTR223.1 or pUC	1092
PARS2	CSB-CL745334HU	BC007956	25973	pENTR223.1	1428
PARVA	CSB-CL868328HU1	BC016713	55742	pENTR223.1 or pUC	1119
PARVA	CSB-CL868328HU2	BC014535	55742	pENTR223.1 or pUC	1119
PARVG	CSB-CL888020HU	BC034406	64098	pENTR223.1 or pUC	996
PASD1	CSB-CL816882HU	BC040301	139135	pENTR223.1 or pUC	2322
PATL1	CSB-CL801224HU	BC065264	219988	pENTR223.1	1884
PAX3	CSB-CL017489HU1	BC063547	5077	pENTR223.1 or pUC	621
PAX4	CSB-CL017490HU	BC107149	5078	pENTR223.1	774
PAX6	CSB-CL017492HU	BC011953	5080	pENTR223.1 or pUC	1267
PAX7	CSB-CL017493HU	BC121165	5081	pENTR223.1 or pUC	1557
PAXIP1	CSB-CL761652HU	BC033781	22976	pENTR223.1 or pUC	2274
PBK	CSB-CL822241HU	BC015191	55872	pENTR223.1 or pUC	969
PBLD	CSB-CL017501HU	BC009738	64081	pENTR223.1 or pUC	867
PBRM1	CSB-CL801229HU1	BC015323	55193	pENTR223.1 or pUC	921



Name	Code	Accession No.	Gene ID	Vector	Length
PBX3	CSB-CL017507HU	BC016977	5090	pENTR223.1	825
PBXIP1	CSB-CL856896HU	BC016852	57326	pENTR223.1 or pUC	2196
PCBD1	CSB-CL017514HU	BC006324	5092	pENTR223.1 or pUC	315
PCBD2	CSB-CL861985HU	BC054021	84105	pENTR223.1 or pUC	393
PCBP1	CSB-CL613590HU	BC039742	5093	pENTR223.1 or pUC	1071
PCBP4	CSB-CL017521HU	BC017098	57060	pENTR223.1 or pUC	1083
PCCB	CSB-CL017523HU	BC013768	5096	pENTR223.1 or pUC	1620
PCDH20	CSB-CL822719HU	BC027907	64881	pENTR223.1	2775
PCDHA10	CSB-CL897505HU	BC130447	56139	pENTR223.1 or pUC	2058
PCDHGA5	CSB-CL897293HU	BC113460	56110	pENTR223.1	2442
PCDHGC3	CSB-CL892155HU1	BC004321	5098	pENTR223.1 or pUC	183
PCDHGC3	CSB-CL892155HU2	BC006439	5098	pENTR223.1 or pUC	405
PCDHGC3	CSB-CL892155HU5	BC027470	5098	pENTR223.1 or pUC	330
PCDHGC4	CSB-CL896905HU	BC101035	56098	pENTR223.1 or pUC	2616
PCGF1	CSB-CL863114HU	BC004952	84759	pENTR223.1 or pUC	744
PCGF2	CSB-CL017606HU	BC004858	7703	pENTR223.1 or pUC	1035
PCGF3	CSB-CL667288HU1	BC028026	10336	pENTR223.1 or pUC	291
PCGF3	CSB-CL667288HU2	BC107061	10336	pENTR223.1 or pUC	729
PCGF5	CSB-CL801218HU1	BC007377	84333	pENTR223.1 or pUC	150
PCGF5	CSB-CL801218HU2	BC051845	84333	pENTR223.1 or pUC	771
PCGF6	CSB-CL871612HU1	BC010235	84108	pENTR223.1 or pUC	1059
PCGF6	CSB-CL871612HU2	BC007602	84108	pENTR223.1 or pUC	834
PCID2	CSB-CL705514HU1	BC008975	55795	pENTR223.1	228
PCID2	CSB-CL705514HU2	BC016614	55795	pENTR223.1 or pUC	1200
PCIF1	CSB-CL884471HU	BC010005	63935	pENTR223.1 or pUC	2115
PCK2	CSB-CL619092HU	BC001454	5106	pENTR223.1 or pUC	1923
PCM1	CSB-CL618977HU	BC000453	5108	pENTR223.1 or pUC	1593



Name	Code	Accession No.	Gene ID	Vector	Length
PCMT1	CSB-CL017618HU	BC007501	5110	pENTR223.1 or pUC	687
PCMTD1	CSB-CL850393HU	BC032670	115294	pENTR223.1 or pUC	1074
PCMTD2	CSB-CL865145HU1	BC033665	55251	pENTR223.1 or pUC	1086
PCMTD2	CSB-CL865145HU2	BC032332	55251	pENTR223.1 or pUC	849
PCMTD2	CSB-CL865145HU3	BC045775	55251	pENTR223.1 or pUC	786
PCNA	CSB-CL017621HU	BC000491	5111	pENTR223.1	786
PCNP	CSB-CL848826HU1	BC013916	57092	pENTR223.1 or pUC	393
PCNP	CSB-CL848826HU2	BC022001	57092	pENTR223.1 or pUC	537
PCNXL2	CSB-CL017629HU	BC008300	80003	pENTR223.1 or pUC	915
PCOLCE2	CSB-CL017632HU	BC006265	26577	pENTR223.1 or pUC	831
PCP4	CSB-CL017636HU	BC013791	5121	pENTR223.1 or pUC	189
PCSK5	CSB-CL017644HU	BC012064	5125	pENTR223.1 or pUC	2742
PCTP	CSB-CL017651HU	BC012084	58488	pENTR223.1 or pUC	645
PCYOX1	CSB-CL017652HU	BC033815	51449	pENTR223.1 or pUC	1518
PCYT2	CSB-CL859930HU	BC000351	5833	pENTR223.1 or pUC	1170
PDAP1	CSB-CL623805HU	BC000684	11333	pENTR223.1	546
PDCD10	CSB-CL861141HU	BC002506	11235	pENTR223.1 or pUC	639
PDCD1LG2	CSB-CL017667HU	BC113678	80380	pENTR223.1 or pUC	822
PDCD4	CSB-CL703610HU	BC026104	27250	pENTR223.1 or pUC	1410
PDCD5	CSB-CL017671HU	BC015519	9141	pENTR223.1	378
PDCD6	CSB-CL017672HU1	BC028242	10016	pENTR223.1 or pUC	468
PDCD6	CSB-CL017672HU2	BC012384	10016	pENTR223.1 or pUC	576
PDCD6	CSB-CL017672HU3	BC106706	10016	pENTR223.1 or pUC	576
PDCD6IP	CSB-CL848820HU1	BC020066	10015	pENTR223.1 or pUC	2607
PDCD6IP	CSB-CL848820HU2	BC068454	10015	pENTR223.1 or pUC	2622
PDCL	CSB-CL613394HU	BC017227	5082	pENTR223.1 or pUC	906
PDCL2	CSB-CL836663HU	BC034431	132954	pENTR223.1 or pUC	753



Name	Code	Accession No.	Gene ID	Vector	Length
PDCL3	CSB-CL872479HU	BC001021	79031	pENTR223.1 or pUC	720
PDE1C	CSB-CL623901HU	BC022479	5137	pENTR223.1	1905
PDE4DIP	CSB-CL716571HU2	BC005949	9659	pENTR223.1 or pUC	558
PDE4DIP	CSB-CL716571HU3	BC026270	9659	pENTR223.1 or pUC	534
PDE4DIP	CSB-CL716571HU4	BC078660	9659	pUC	3399
PDE6D	CSB-CL526126HU	BC007831	5147	pENTR223.1 or pUC	453
PDE6H	CSB-CL617840HU	BC069800	5149	pENTR223.1 or pUC	252
PDE7A	CSB-CL618810HU	BC126360	5150	pENTR223.1 or pUC	1371
PDE9A	CSB-CL527985HU	BC009047	5152	pENTR223.1 or pUC	1602
PDGFB	CSB-CL017709HU	BC029822	5155	pENTR223.1	726
PDGFD	CSB-CL887935HU	BC030645	80310	pENTR223.1 or pUC	1095
PDGFRA	CSB-CL017712HU	BC015186	5156	pENTR223.1	657
PDGFRB	CSB-CL017713HU	BC032224	5159	pUC	3321
PDGFRL	CSB-CL620875HU	BC010927	5157	pENTR223.1 or pUC	1128
PDHA1	CSB-CL017715HU	BC002406	5160	pENTR223.1 or pUC	1173
PDHA2	CSB-CL017716HU1	BC066953	5161	pENTR223.1 or pUC	1167
PDHA2	CSB-CL017716HU2	BC127638	5161	pENTR223.1 or pUC	1167
PDHB	CSB-CL017717HU	BC000439	5162	pENTR223.1 or pUC	1080
PDHX	CSB-CL017718HU	BC010389	8050	pENTR223.1 or pUC	1506
PDIA3	CSB-CL017720HU1	BC014433	2923	pENTR223.1	1518
PDIA3	CSB-CL017720HU2	BC036000	2923	pENTR223.1 or pUC	1518
PDIA4	CSB-CL017722HU	BC000425	9601	pENTR223.1 or pUC	1938
PDIA5	CSB-CL614533HU	BC001625	10954	pENTR223.1 or pUC	789
PDIA6	CSB-CL622988HU	BC001312	10130	pENTR223.1	1323
PDIK1L	CSB-CL854018HU	BC028713	149420	pENTR223.1 or pUC	1026
PDK2	CSB-CL618976HU	BC005811	5164	pENTR223.1 or pUC	1224
PDK3	CSB-CL613585HU	BC015948	5165	pENTR223.1 or pUC	1221



Name	Code	Accession No.	Gene ID	Vector	Length
PDK4	CSB-CL614983HU	BC040239	5166	pENTR223.1	1236
PDLIM1	CSB-CL017731HU	BC000915	9124	pENTR223.1 or pUC	990
PDLIM3	CSB-CL690477HU1	BC001017	27295	pENTR223.1 or pUC	570
PDLIM3	CSB-CL690477HU2	BC027870	27295	pENTR223.1 or pUC	951
PDLIM4	CSB-CL017735HU1	BC016765	8572	pENTR223.1 or pUC	993
PDLIM5	CSB-CL822223HU2	BC017902	10611	pENTR223.1	645
PDLIM5	CSB-CL822223HU1	BC008741	10611	pENTR223.1	1791
PDLIM7	CSB-CL865112HU1	BC001093	9260	pENTR223.1 or pUC	1374
PDLIM7	CSB-CL865112HU2	BC014521	9260	pENTR223.1 or pUC	669
PDLIM7	CSB-CL865112HU3	BC067806	9260	pENTR223.1 or pUC	576
PDP2	CSB-CL868395HU	BC028030	57546	pENTR223.1 or pUC	1590
PDPK1	CSB-CL017738HU	BC006339	5170	pENTR223.1 or pUC	1290
PDPN	CSB-CL017739HU	BC014668	10630	pENTR223.1 or pUC	489
PDRG1	CSB-CL878890HU	BC009334	81572	pENTR223.1 or pUC	402
PDS5A	CSB-CL643713HU1	BC009650	23244	pENTR223.1	1002
PDS5A	CSB-CL643713HU2	BC041361	23244	pENTR223.1	1803
PDS5B	CSB-CL889108HU2	BC070274	23047	pENTR223.1	369
PDS5B	CSB-CL889108HU1	BC039256	23047	pENTR223.1	1590
PDXDC1	CSB-CL761311HU1	BC033748	23042	pENTR223.1 or pUC	1044
PDXK	CSB-CL017748HU1	BC000123	8566	pENTR223.1 or pUC	939
PDXK	CSB-CL017748HU2	BC003651	8566	pENTR223.1 or pUC	687
PDYN	CSB-CL017750HU	BC026334	5173	pENTR223.1 or pUC	765
PDZD11	CSB-CL707840HU	BC012996	51248	pENTR223.1 or pUC	423
PDZD3	CSB-CL774807HU	BC029042	79849	pENTR223.1 or pUC	1476
PDZK1	CSB-CL722565HU	BC006496	5174	pENTR223.1 or pUC	1560
PDZK1IP1	CSB-CL621650HU	BC012303	10158	pENTR223.1 or pUC	345
PEA15	CSB-CL621865HU1	BC002426	8682	pENTR223.1 or pUC	393



Name	Code	Accession No.	Gene ID	Vector	Length
PEA15	CSB-CL621865HU2	BC022554	8682	pENTR223.1 or pUC	393
PEA15	CSB-CL621865HU3	BC010469	8682	pENTR223.1 or pUC	225
PEBP1	CSB-CL017766HU	BC031102	5037	pENTR223.1 or pUC	564
PECR	CSB-CL017769HU	BC002529	55825	pENTR223.1 or pUC	912
PEF1	CSB-CL871389HU1	BC012561	553115	pENTR223.1 or pUC	855
PEF1	CSB-CL871389HU2	BC002773	553115	pENTR223.1 or pUC	855
PEG10	CSB-CL768203HU	BC050659	23089	pENTR223.1 or pUC	978
PELI1	CSB-CL856932HU1	BC050019	57162	pENTR223.1 or pUC	1257
PELI1	CSB-CL856932HU2	BC063611	57162	pENTR223.1 or pUC	1257
PELI1	CSB-CL856932HU3	BC011419	57162	pENTR223.1 or pUC	378
PELI3	CSB-CL847618HU	BC021256	246330	pENTR223.1 or pUC	996
PELO	CSB-CL861124HU	BC005889	53918	pENTR223.1 or pUC	1158
PEMT	CSB-CL017780HU1	BC000557	10400	pENTR223.1 or pUC	711
PEMT	CSB-CL017780HU2	BC050593	10400	pENTR223.1	711
PENK	CSB-CL017781HU	BC032505	5179	pENTR223.1 or pUC	804
PEPD	CSB-CL017784HU1	BC028295	5184	pENTR223.1 or pUC	1482
PEPD	CSB-CL017784HU2	BC004305	5184	pENTR223.1	1482
PER1	CSB-CL017786HU2	BC072458	5187	pENTR223.1 or pUC	885
PER3	CSB-CL017788HU	BC026102	8863	pENTR223.1 or pUC	1137
PERP	CSB-CL839325HU	BC010163	64065	pENTR223.1 or pUC	582
PEX10	CSB-CL017794HU2	BC000543	5192	pENTR223.1 or pUC	1041
PEX11A	CSB-CL017795HU1	BC009697	8800	pENTR223.1 or pUC	744
PEX11A	CSB-CL017795HU2	BC101164	8800	pENTR223.1 or pUC	618
PEX11B	CSB-CL017796HU	BC011963	8799	pENTR223.1 or pUC	780
PEX11G	CSB-CL853428HU	BC008780	92960	pENTR223.1 or pUC	726
PEX13	CSB-CL849799HU	BC067090	5194	pENTR223.1 or pUC	1212
PEX14	CSB-CL017800HU	BC006327	5195	pENTR223.1 or pUC	1134



Name	Code	Accession No.	Gene ID	Vector	Length
PEX16	CSB-CL897573HU	BC004356	9409	pENTR223.1 or pUC	1011
PEX19	CSB-CL017802HU	BC000496	5824	pENTR223.1	900
PEX3	CSB-CL017804HU	BC014551	8504	pENTR223.1 or pUC	1122
PF4V1	CSB-CL017810HU	BC130653	5197	pENTR223.1 or pUC	315
PFDN1	CSB-CL017812HU	BC011869	5201	pENTR223.1 or pUC	369
PFDN2	CSB-CL017813HU	BC012464	5202	pENTR223.1 or pUC	465
PFDN4	CSB-CL017814HU	BC010953	5203	pENTR223.1 or pUC	405
PFDN5	CSB-CL017815HU	BC062671	5204	pENTR223.1 or pUC	465
PFKFB1	CSB-CL017817HU	BC096079	5207	pENTR223.1 or pUC	1416
PFKL	CSB-CL017821HU1	BC008964	5211	pENTR223.1	2343
PFKL	CSB-CL017821HU2	BC007536	5211	pENTR223.1 or pUC	2343
PFKL	CSB-CL017821HU3	BC006422	5211	pENTR223.1 or pUC	2484
PFKM	CSB-CL017822HU1	BC021203	5213	pENTR223.1 or pUC	2343
PFKM	CSB-CL017822HU2	BC000534	5213	pENTR223.1 or pUC	2343
PFN1	CSB-CL017824HU	BC002475	5216	pENTR223.1	423
PFN2	CSB-CL017825HU	BC018049	5217	pENTR223.1 or pUC	423
PFN4	CSB-CL847748HU	BC029523	375189	pENTR223.1 or pUC	390
PGAM2	CSB-CL017835HU	BC001904	5224	pENTR223.1 or pUC	762
PGBD1	CSB-CL839353HU	BC128585	84547	pENTR223.1 or pUC	2430
PGC	CSB-CL017849HU	BC042578	5225	pENTR223.1 or pUC	315
PGD	CSB-CL017850HU	BC000368	5226	pENTR223.1 or pUC	1452
PGF	CSB-CL017854HU	BC001422	5228	pENTR223.1	513
PGK1	CSB-CL017856HU	BC113568	5230	pENTR223.1 or pUC	1254
PGK2	CSB-CL017859HU	BC038843	5232	pENTR223.1 or pUC	1254
PGLYRP3	CSB-CL017864HU1	BC069741	114771	pENTR223.1 or pUC	1026
PGLYRP3	CSB-CL017864HU2	BC069798	114771	pENTR223.1 or pUC	1026
PGLYRP4	CSB-CL017865HU	BC107157	57115	pENTR223.1 or pUC	1122



Name	Code	Accession No.	Gene ID	Vector	Length
PGM1	CSB-CL017866HU1	BC019920	5236	pENTR223.1 or pUC	1689
PGM1	CSB-CL017866HU2	BC067763	5236	pENTR223.1 or pUC	1689
PGM2	CSB-CL822215HU	BC010087	55276	pENTR223.1 or pUC	1839
PGM2L1	CSB-CL764776HU	BC059360	283209	pENTR223.1 or pUC	1869
PGM3	CSB-CL017869HU	BC001258	5238	pENTR223.1 or pUC	1629
PGS1	CSB-CL653479HU	BC025951	9489	pENTR223.1 or pUC	1344
PHACTR3	CSB-CL017882HU	BC117362	116154	pENTR223.1 or pUC	1680
PHACTR4	CSB-CL017883HU2	BC068508	65979	pENTR223.1 or pUC	1893
PHACTR4	CSB-CL017883HU1	BC029266	65979	pENTR223.1 or pUC	2109
PHAX	CSB-CL863999HU	BC021161	51808	pENTR223.1 or pUC	1185
PHB	CSB-CL017885HU	BC013401	5245	pENTR223.1 or pUC	819
PHC1	CSB-CL017891HU	BC017748	1911	pENTR223.1 or pUC	1344
PHC2	CSB-CL811619HU1	BC028396	1912	pENTR223.1 or pUC	972
PHC2	CSB-CL811619HU2	BC029269	1912	pENTR223.1 or pUC	972
PHC3	CSB-CL847692HU1	BC022325	80012	pENTR223.1 or pUC	456
PHC3	CSB-CL847692HU2	BC070164	80012	pENTR223.1 or pUC	408
PHF1	CSB-CL017897HU	BC008834	5252	pUC	1704
PHF10	CSB-CL017898HU	BC020954	55274	pENTR223.1 or pUC	1227
PHF11	CSB-CL017900HU	BC017212	51131	pENTR223.1 or pUC	879
PHF13	CSB-CL017902HU	BC038516	148479	pENTR223.1 or pUC	903
PHF15	CSB-CL873620HU1	BC004292	23338	pENTR223.1 or pUC	741
PHF17	CSB-CL743563HU	BC032376	79960	pENTR223.1 or pUC	1530
PHF19	CSB-CL017907HU1	BC022374	26147	pENTR223.1 or pUC	624
PHF19	CSB-CL017907HU2	BC125076	26147	pENTR223.1 or pUC	1743
PHF20L1	CSB-CL017910HU1	BC015211	51105	pENTR223.1 or pUC	858
PHF20L1	CSB-CL017910HU2	BC050655	51105	pENTR223.1 or pUC	972
PHF21A	CSB-CL017911HU	BC015714	51317	pENTR223.1 or pUC	2043



Name	Code	Accession No.	Gene ID	Vector	Length
PHF23	CSB-CL017913HU	BC002509	79142	pENTR223.1 or pUC	1212
PHF5A	CSB-CL742401HU	BC007321	84844	pENTR223.1 or pUC	333
PHF6	CSB-CL017917HU	BC005994	84295	pENTR223.1 or pUC	939
PHF7	CSB-CL017918HU	BC022002	51533	pENTR223.1 or pUC	1146
PHIP	CSB-CL837866HU1	BC008909	55023	pENTR223.1 or pUC	2124
PHIP	CSB-CL837866HU2	BC081569	55023	pENTR223.1 or pUC	2538
PHKB	CSB-CL849977HU	BC033657	5257	pUC	3261
PHKG2	CSB-CL017928HU	BC002541	5261	pENTR223.1 or pUC	1221
PHLDB1	CSB-CL773033HU	BC014510	23187	pENTR223.1 or pUC	306
PHOSPHO2	CSB-CL823455HU	BC022324	493911	pENTR223.1 or pUC	726
PHPT1	CSB-CL868306HU	BC024648	29085	pENTR223.1 or pUC	378
PHTF1	CSB-CL017944HU	BC002447	10745	pENTR223.1 or pUC	1914
PHTF2	CSB-CL017945HU1	BC032334	57157	pENTR223.1 or pUC	954
PHTF2	CSB-CL017945HU2	BC022419	57157	pENTR223.1 or pUC	1071
PHTF2	CSB-CL017945HU3	BC067742	57157	pENTR223.1 or pUC	1059
PHTF2	CSB-CL017945HU4	BC127093	57157	pENTR223.1 or pUC	2256
PHYH	CSB-CL017946HU	BC029512	5264	pENTR223.1 or pUC	1017
PHYHD1	CSB-CL716328HU	BC053853	254295	pENTR223.1 or pUC	876
PHYHIP	CSB-CL835676HU	BC034034	9796	pENTR223.1 or pUC	993
PHYHIPL	CSB-CL846618HU	BC011268	84457	pENTR223.1 or pUC	993
PI15	CSB-CL017950HU	BC126290	51050	pENTR223.1 or pUC	777
PI3	CSB-CL017952HU	BC010952	5266	pENTR223.1 or pUC	354
PI4KAP1	CSB-CL818731HU	BC072398	728233	pENTR223.1 or pUC	789
PI4KB	CSB-CL883360HU	BC000029	5298	pENTR223.1 or pUC	2406
PIAS1	CSB-CL017957HU	BC121797	8554	pENTR223.1 or pUC	1956
PIAS3	CSB-CL896765HU	BC001154	10401	pENTR223.1 or pUC	1860
PID1	CSB-CL800096HU	BC040164	55022	pENTR223.1 or pUC	507



Name	Code	Accession No.	Gene ID	Vector	Length
PIGA	CSB-CL017965HU	BC038236	5277	pENTR223.1 or pUC	1455
PIGC	CSB-CL856402HU	BC006539	5279	pENTR223.1 or pUC	894
PIGG	CSB-CL711091HU	BC001249	54872	pENTR223.1 or pUC	1815
PIGH	CSB-CL617916HU	BC004100	5283	pENTR223.1 or pUC	567
PIGK	CSB-CL842143HU1	BC026186	10026	pENTR223.1 or pUC	999
PIGK	CSB-CL842143HU2	BC020737	10026	pENTR223.1 or pUC	1188
PIGL	CSB-CL897465HU	BC068197	9487	pENTR223.1 or pUC	759
PIGM	CSB-CL875667HU	BC019865	93183	pENTR223.1 or pUC	1272
PIGN	CSB-CL017977HU	BC028363	23556	pENTR223.1 or pUC	2796
PIGO	CSB-CL855068HU1	BC013987	84720	pENTR223.1 or pUC	1365
PIGP	CSB-CL017979HU	BC005180	51227	pENTR223.1 or pUC	405
PIGR	CSB-CL017981HU	BC110494	5284	pENTR223.1 or pUC	2295
PIGS	CSB-CL847222HU	BC069228	94005	pENTR223.1 or pUC	1668
PIGV	CSB-CL868321HU	BC013568	55650	pENTR223.1 or pUC	1482
PIGX	CSB-CL848395HU	BC022542	54965	pENTR223.1 or pUC	654
PIGZ	CSB-CL773038HU	BC044640	80235	pENTR223.1 or pUC	1740
PIH1D1	CSB-CL889130HU	BC001108	55011	pENTR223.1 or pUC	873
PIH1D2	CSB-CL837863HU	BC019238	120379	pENTR223.1 or pUC	948
PIK3CB	CSB-CL017999HU	BC114432	5291	pUC	3213
PIK3CG	CSB-CL018001HU	BC035683	5294	pUC	3309
PIK3R1	CSB-CL018003HU	BC030815	5295	pENTR223.1 or pUC	1365
PIK3R3	CSB-CL852884HU	BC021622	8503	pENTR223.1	1386
PIK3R5	CSB-CL841225HU	BC028212	23533	pENTR223.1 or pUC	1485
PILRA	CSB-CL892331HU	BC017812	29992	pENTR223.1 or pUC	681
PILRB	CSB-CL890735HU	BC050547	29990	pENTR223.1	684
PIM1	CSB-CL018012HU	BC020224	5292	pENTR223.1	942
PIM2	CSB-CL873725HU	BC018111	11040	pENTR223.1 or pUC	936



Name	Code	Accession No.	Gene ID	Vector	Length
PIN1	CSB-CL615698HU	BC002899	5300	pENTR223.1	492
PINX1	CSB-CL850264HU	BC015479	54984	pENTR223.1	987
PIP	CSB-CL018020HU1	BC010950	5304	pENTR223.1	441
PIP	CSB-CL018020HU2	BC010951	5304	pENTR223.1 or pUC	441
PIP4K2A	CSB-CL018022HU	BC018034	5305	pENTR223.1 or pUC	1221
PIP4K2B	CSB-CL018023HU	BC027459	8396	pENTR223.1 or pUC	846
PIP5K1A	CSB-CL859110HU	BC007833	8394	pENTR223.1 or pUC	1503
PIP5K1B	CSB-CL018026HU	BC030587	8395	pENTR223.1	1650
PIP5KL1	CSB-CL719415HU	BC042184	138429	pENTR223.1 or pUC	576
PIPOX	CSB-CL868381HU1	BC027622	51268	pENTR223.1 or pUC	1173
PIPOX	CSB-CL868381HU2	BC008960	51268	pENTR223.1	1173
PISD	CSB-CL880077HU	BC001482	23761	pENTR223.1 or pUC	1128
PITPNA	CSB-CL018035HU1	BC045108	5306	pENTR223.1 or pUC	813
PITPNA	CSB-CL018035HU2	BC082976	5306	pENTR223.1 or pUC	813
PITPNB	CSB-CL018036HU1	BC018704	23760	pENTR223.1 or pUC	816
PITPNB	CSB-CL018036HU2	BC031427	23760	pENTR223.1 or pUC	819
PITPNC1	CSB-CL892330HU	BC007905	26207	pENTR223.1 or pUC	807
PITPNM2	CSB-CL871621HU	BC141813	57605	pENTR223.1 or pUC	1323
PITRM1	CSB-CL692283HU1	BC001150	10531	pENTR223.1 or pUC	1605
PITX2	CSB-CL860349HU	BC013998	5308	pENTR223.1	975
PIWIL2	CSB-CL837429HU	BC025995	55124	pENTR223.1 or pUC	2922
PIWIL4	CSB-CL767195HU	BC031060	143689	pENTR223.1 or pUC	2559
PJA1	CSB-CL844051HU	BC075803	64219	pENTR223.1 or pUC	1932
PJA2	CSB-CL018050HU	BC030826	9867	pENTR223.1 or pUC	2127
PKD1L2	CSB-CL773589HU	BC014157	114780	pENTR223.1 or pUC	921
PKD2L2	CSB-CL882158HU	BC044581	27039	pENTR223.1 or pUC	1572
PKIA	CSB-CL018068HU	BC022265	5569	pENTR223.1 or pUC	231



Name	Code	Accession No.	Gene ID	Vector	Length
PKIB	CSB-CL883651HU	BC036011	5570	pENTR223.1 or pUC	237
PKLR	CSB-CL018071HU	BC025737	5313	pENTR223.1 or pUC	1725
PKM2	CSB-CL018072HU	BC007640	5315	pENTR223.1 or pUC	1596
PKN2	CSB-CL620966HU1	BC062620	5586	pENTR223.1 or pUC	183
PKN2	CSB-CL620966HU2	BC125199	5586	pENTR223.1 or pUC	2811
PKNOX1	CSB-CL018077HU	BC007746	5316	pENTR223.1 or pUC	1311
PKP2	CSB-CL859116HU	BC126199	5318	pENTR223.1 or pUC	2514
PLA1A	CSB-CL018084HU	BC047703	51365	pENTR223.1 or pUC	1323
PLA2G12A	CSB-CL874857HU	BC017218	81579	pENTR223.1 or pUC	570
PLA2G15	CSB-CL818760HU	BC011640	23659	pENTR223.1 or pUC	819
PLA2G16	CSB-CL018089HU	BC001387	11145	pENTR223.1 or pUC	489
PLA2G1B	CSB-CL018090HU1	BC005386	5319	pENTR223.1 or pUC	213
PLA2G1B	CSB-CL018090HU2	BC106725	5319	pENTR223.1 or pUC	447
PLA2G2A	CSB-CL018091HU	BC005919	5320	pENTR223.1 or pUC	435
PLA2G2D	CSB-CL891566HU	BC025706	26279	pENTR223.1 or pUC	438
PLA2G4A	CSB-CL018097HU	BC114340	5321	pENTR223.1 or pUC	2250
PLA2G4C	CSB-CL892485HU1	BC017956	8605	pENTR223.1 or pUC	600
PLA2G4D	CSB-CL771467HU	BC034571	283748	pUC	651
PLA2G7	CSB-CL623782HU	BC038452	7941	pENTR223.1 or pUC	1326
PLAC1	CSB-CL867193HU	BC022335	10761	pENTR223.1	639
PLAC1L	CSB-CL769798HU	BC036256	219990	pENTR223.1 or pUC	477
PLAC8	CSB-CL873705HU	BC012205	51316	pENTR223.1 or pUC	348
PLAC8L1	CSB-CL018115HU	BC130586	153770	pENTR223.1 or pUC	534
PLAC9	CSB-CL689337HU	BC117332	219348	pENTR223.1 or pUC	294
PLAT	CSB-CL018120HU	BC007231	5327	pENTR223.1	1689
PLAU	CSB-CL360437HU	BC013575	5328	pENTR223.1	1296
PLAUR	CSB-CL018122HU	BC002788	5329	pUC	1008



Name	Code	Accession No.	Gene ID	Vector	Length
PLB1	CSB-CL761273HU1	BC042674	151056	pENTR223.1 or pUC	1272
PLB1	CSB-CL761273HU2	BC065041	151056	pENTR223.1 or pUC	1467
PLCB1	CSB-CL865102HU1	BC069420	23236	pUC	3651
PLCB1	CSB-CL865102HU2	BC117231	23236	pUC	3522
PLCD1	CSB-CL018130HU	BC050382	5333	pENTR223.1 or pUC	2271
PLCD4	CSB-CL866264HU	BC006355	84812	pENTR223.1 or pUC	2289
PLCL2	CSB-CL892366HU	BC036392	23228	pENTR223.1	3006
PLCXD1	CSB-CL889114HU	BC005028	55344	pENTR223.1 or pUC	972
PLCXD2	CSB-CL608544HU	BC121155	257068	pENTR223.1 or pUC	918
PLCZ1	CSB-CL768240HU	BC125067	89869	pENTR223.1 or pUC	1248
PLD3	CSB-CL816880HU	BC036327	23646	pENTR223.1 or pUC	1473
PLD5	CSB-CL836686HU	BC101373	200150	pENTR223.1	1338
PLDN	CSB-CL890745HU	BC004819	26258	pENTR223.1 or pUC	519
PLEK	CSB-CL018152HU	BC018549	5341	pENTR223.1 or pUC	1053
PLEKHA1	CSB-CL864016HU1	BC001136	59338	pENTR223.1 or pUC	1215
PLEKHA1	CSB-CL864016HU2	BC042458	59338	pENTR223.1 or pUC	1215
PLEKHA8	CSB-CL856957HU1	BC002838	84725	pENTR223.1 or pUC	1323
PLEKHB1	CSB-CL866215HU	BC008075	58473	pENTR223.1 or pUC	570
PLEKHB2	CSB-CL846599HU	BC013991	55041	pENTR223.1 or pUC	669
PLEKHF2	CSB-CL884492HU	BC011806	79666	pENTR223.1 or pUC	750
PLEKHG2	CSB-CL862036HU	BC013426	64857	pENTR223.1 or pUC	2691
PLEKHH2	CSB-CL814208HU	BC063310	130271	pENTR223.1 or pUC	2391
PLEKHH3	CSB-CL770362HU	BC052978	79990	pENTR223.1 or pUC	2382
PLEKHJ1	CSB-CL868334HU	BC003084	55111	pENTR223.1 or pUC	450
PLEKHN1	CSB-CL672075HU	BC101386	84069	pENTR223.1 or pUC	1731
PLEKHO1	CSB-CL706633HU	BC010149	51177	pENTR223.1	1230
PLEKHO2	CSB-CL848406HU	BC008744	80301	pENTR223.1 or pUC	1323



Name	Code	Accession No.	Gene ID	Vector	Length
PLK1	CSB-CL018193HU	BC002369	5347	pENTR223.1 or pUC	1812
PLK2	CSB-CL885770HU	BC013879	10769	pENTR223.1 or pUC	2058
PLLP	CSB-CL896501HU	BC002760	51090	pENTR223.1 or pUC	549
PLN	CSB-CL018198HU	BC005269	5350	pENTR223.1 or pUC	159
PLOD2	CSB-CL018200HU	BC037169	5352	pENTR223.1 or pUC	2277
PLP1	CSB-CL018202HU	BC002665	5354	pENTR223.1	729
PLS3	CSB-CL018206HU	BC039049	5358	pENTR223.1 or pUC	1893
PLSCR1	CSB-CL018207HU1	BC021100	5359	pENTR223.1 or pUC	957
PLSCR1	CSB-CL018207HU2	BC017901	5359	pENTR223.1 or pUC	387
PLSCR4	CSB-CL018210HU	BC028354	57088	pENTR223.1 or pUC	990
PLTP	CSB-CL018212HU1	BC019847	5360	pENTR223.1 or pUC	1482
PLTP	CSB-CL018212HU2	BC005045	5360	pENTR223.1 or pUC	1326
PLXDC2	CSB-CL761496HU	BC012885	84898	pENTR223.1 or pUC	1443
PLXNA1	CSB-CL883448HU	BC032432	5361	pENTR223.1 or pUC	303
PLXNA4	CSB-CL862071HU	BC028744	91584	pENTR223.1 or pUC	1569
PLXNB1	CSB-CL018222HU	BC128094	5364	pENTR223.1 or pUC	255
PMAIP1	CSB-CL018229HU	BC032663	5366	pENTR223.1	411
PMCH	CSB-CL324927HU	BC018048	5367	pENTR223.1	498
PMEPA1	CSB-CL822170HU1	BC015918	56937	pENTR223.1 or pUC	714
PMEPA1	CSB-CL822170HU2	BC080635	56937	pENTR223.1 or pUC	759
PMF1	CSB-CL018234HU	BC065031	11243	pENTR223.1 or pUC	618
PMM1	CSB-CL018237HU	BC010855	5372	pENTR223.1 or pUC	789
PMP2	CSB-CL018240HU	BC034997	5375	pENTR223.1	399
PMP22	CSB-CL018241HU	BC019040	5376	pENTR223.1 or pUC	483
PMPCB	CSB-CL018243HU1	BC014079	9512	pENTR223.1 or pUC	1155
PMPCB	CSB-CL018243HU2	BC010398	9512	pENTR223.1 or pUC	1473
PMS1	CSB-CL018245HU1	BC008410	5378	pENTR223.1 or pUC	501



Name	Code	Accession No.	Gene ID	Vector	Length
PMS1	CSB-CL018245HU2	BC096331	5378	pENTR223.1	2010
PMVK	CSB-CL018258HU	BC006089	10654	pENTR223.1 or pUC	579
PNCK	CSB-CL754178HU	BC033746	139728	pENTR223.1 or pUC	366
PNKD	CSB-CL843154HU1	BC002937	25953	pENTR223.1	1086
PNKD	CSB-CL843154HU2	BC036457	25953	pENTR223.1 or pUC	1158
PNKD	CSB-CL843154HU3	BC021118	25953	pENTR223.1 or pUC	429
PNKP	CSB-CL857031HU2	BC002519	11284	pENTR223.1 or pUC	1449
PNLIP	CSB-CL018262HU	BC014309	5406	pENTR223.1	1398
PNLIPRP1	CSB-CL018263HU2	BC005233	5407	pENTR223.1 or pUC	561
PNLIPRP2	CSB-CL018264HU	BC005989	5408	pENTR223.1 or pUC	1410
PNLIPRP3	CSB-CL018265HU	BC117224	119548	pENTR223.1 or pUC	1404
PNMA1	CSB-CL018266HU	BC039577	9240	pENTR223.1 or pUC	1062
PNMA2	CSB-CL018267HU	BC062301	10687	pENTR223.1	1095
PNMA5	CSB-CL853483HU	BC101112	114824	pENTR223.1 or pUC	1347
PNMA6A	CSB-CL018270HU	BC007631	84968	pENTR223.1 or pUC	1200
PN01	CSB-CL885712HU	BC008304	56902	pENTR223.1 or pUC	759
PNOC	CSB-CL018278HU	BC034758	5368	pENTR223.1 or pUC	531
PNPLA1	CSB-CL843295HU	BC103907	285848	pENTR223.1 or pUC	1314
PNPLA3	CSB-CL889106HU1	BC014449	80339	pENTR223.1	312
PNPLA4	CSB-CL018283HU	BC020746	8228	pENTR223.1 or pUC	762
PNPLA8	CSB-CL868272HU	BC032999	50640	pENTR223.1 or pUC	2349
PNRC2	CSB-CL018290HU	BC001959	55629	pENTR223.1 or pUC	420
PODN	CSB-CL018291HU1	BC028292	127435	pENTR223.1 or pUC	1209
PODN	CSB-CL018291HU2	BC030608	127435	pENTR223.1 or pUC	1986
PODNL1	CSB-CL740778HU	BC057786	79883	pENTR223.1 or pUC	1539
PODXL2	CSB-CL885772HU1	BC019330	50512	pENTR223.1 or pUC	1590
POFUT1	CSB-CL862013HU	BC000582	23509	pENTR223.1	585



Name	Code	Accession No.	Gene ID	Vector	Length
POGK	CSB-CL018298HU	BC131624	57645	pENTR223.1 or pUC	1830
POGZ	CSB-CL018299HU	BC057773	23126	pENTR223.1 or pUC	1092
POLA2	CSB-CL614517HU	BC001347	23649	pENTR223.1 or pUC	1797
POLB	CSB-CL018302HU	BC106909	5423	pENTR223.1 or pUC	1008
POLD1	CSB-CL018303HU	BC008800	5424	pENTR223.1	3324
POLD3	CSB-CL617997HU	BC108908	10714	pENTR223.1 or pUC	1083
POLD4	CSB-CL862074HU	BC001334	57804	pENTR223.1 or pUC	105
POLDIP2	CSB-CL896496HU	BC000655	26073	pENTR223.1 or pUC	1107
POLDIP3	CSB-CL871610HU	BC019643	84271	pENTR223.1 or pUC	690
POLE3	CSB-CL878866HU	BC003166	54107	pENTR223.1 or pUC	444
POLE4	CSB-CL889087HU	BC031331	56655	pENTR223.1 or pUC	354
POLG2	CSB-CL883399HU	BC009194	11232	pENTR223.1 or pUC	1458
POLI	CSB-CL892157HU	BC032662	11201	pENTR223.1 or pUC	2148
POLK	CSB-CL887009HU	BC050718	51426	pENTR223.1 or pUC	1419
POLL	CSB-CL871513HU	BC003548	27343	pENTR223.1 or pUC	897
POLM	CSB-CL889065HU	BC026306	27434	pENTR223.1 or pUC	813
POLR1C	CSB-CL018324HU	BC008863	9533	pENTR223.1 or pUC	1041
POLR1D	CSB-CL897095HU1	BC015319	51082	pENTR223.1 or pUC	369
POLR1E	CSB-CL887937HU1	BC014331	64425	pENTR223.1 or pUC	1260
POLR2A	CSB-CL018327HU	BC067295	5430	pENTR223.1	1701
POLR2C	CSB-CL018329HU1	BC000409	5432	pENTR223.1 or pUC	828
POLR2D	CSB-CL018331HU	BC017205	5433	pENTR223.1 or pUC	429
POLR2E	CSB-CL018332HU	BC004441	5434	pENTR223.1 or pUC	633
POLR2F	CSB-CL018333HU	BC003582	5435	pENTR223.1 or pUC	384
POLR2I	CSB-CL018336HU	BC017112	5438	pENTR223.1 or pUC	378
POLR2J	CSB-CL347112HU	BC024165	5439	pENTR223.1 or pUC	354
POLR2K	CSB-CL018340HU	BC000806	5440	pENTR223.1	177



Name	Code	Accession No.	Gene ID	Vector	Length
POLR2L	CSB-CL018341HU1	BC005903	5441	pENTR223.1 or pUC	204
POLR2L	CSB-CL018341HU2	BC018649	5441	pENTR223.1 or pUC	204
POLR3C	CSB-CL871578HU2	BC004424	10623	pENTR223.1 or pUC	1236
POLR3C	CSB-CL871578HU1	BC002586	10623	pENTR223.1 or pUC	1605
POLR3E	CSB-CL868333HU	BC000285	55718	pENTR223.1 or pUC	2001
POLR3F	CSB-CL884440HU	BC012588	10621	pENTR223.1 or pUC	951
POLR3GL	CSB-CL883594HU	BC004355	84265	pENTR223.1 or pUC	657
POM121	CSB-CL846630HU	BC008794	9883	pENTR223.1 or pUC	2955
POM121C	CSB-CL018357HU	BC130587	100101267	pENTR223.1 or pUC	222
POMGNT1	CSB-CL855513HU	BC001471	55624	pENTR223.1 or pUC	1983
POMP	CSB-CL018365HU	BC003390	51371	pENTR223.1 or pUC	426
POMZP3	CSB-CL764809HU	BC017101	22932	pENTR223.1 or pUC	633
PON2	CSB-CL613586HU	BC046160	5445	pENTR223.1 or pUC	660
PON3	CSB-CL614883HU	BC070374	5446	pENTR223.1 or pUC	1065
POP1	CSB-CL857865HU	BC011529	10940	pUC	3075
POP4	CSB-CL018373HU1	BC006098	10775	pENTR223.1	663
POP4	CSB-CL018373HU2	BC004438	10775	pENTR223.1 or pUC	663
POP5	CSB-CL856885HU	BC012505	51367	pENTR223.1 or pUC	492
POP7	CSB-CL018375HU	BC001430	10248	pENTR223.1	423
POPDC2	CSB-CL884514HU1	BC044929	64091	pENTR223.1 or pUC	1095
POPDC2	CSB-CL884514HU2	BC026911	64091	pENTR223.1 or pUC	537
POPDC3	CSB-CL881020HU	BC022323	64208	pENTR223.1 or pUC	876
PORCN	CSB-CL887958HU	BC019080	64840	pENTR223.1 or pUC	1371
POSTN	CSB-CL619962HU	BC106710	10631	pENTR223.1 or pUC	2340
POT1	CSB-CL868326HU	BC002923	25913	pENTR223.1 or pUC	1905
POTEB	CSB-CL740858HU1	BC066981	339010	pENTR223.1 or pUC	1146
POTEB	CSB-CL740858HU2	BC101006	339010	pENTR223.1 or pUC	1746



Name	Code	Accession No.	Gene ID	Vector	Length
POU2AF1	CSB-CL620973HU	BC032549	5450	pENTR223.1 or pUC	771
POU2F2	CSB-CL018394HU	BC006101	5452	pENTR223.1 or pUC	1203
POU4F3	CSB-CL620877HU	BC112207	5459	pENTR223.1	1017
POU5F2	CSB-CL822722HU	BC029532	134187	pENTR223.1 or pUC	915
POU6F1	CSB-CL621793HU	BC051326	5463	pENTR223.1 or pUC	906
PPA1	CSB-CL614884HU	BC061581	5464	pENTR223.1 or pUC	870
PPAN	CSB-CL868284HU1	BC009833	56342	pENTR223.1	1422
PPAN	CSB-CL868284HU2	BC033202	56342	pENTR223.1	1422
PPAP2A	CSB-CL018414HU	BC039847	8611	pENTR223.1 or pUC	855
PPAP2B	CSB-CL018415HU	BC009196	8613	pENTR223.1 or pUC	936
PPAP2C	CSB-CL018416HU	BC002806	8612	pENTR223.1 or pUC	867
PPAPDC1A	CSB-CL716586HU	BC132787	196051	pENTR223.1 or pUC	816
PPAPDC1B	CSB-CL836728HU1	BC033025	84513	pENTR223.1 or pUC	672
PPAPDC1B	CSB-CL836728HU2	BC106014	84513	pENTR223.1 or pUC	528
PPARG	CSB-CL018424HU	BC006811	5468	pENTR223.1	1434
PPBP	CSB-CL018429HU	BC028217	5473	pENTR223.1	387
PPCDC	CSB-CL018433HU	BC014409	60490	pENTR223.1 or pUC	615
PPEF1	CSB-CL018435HU	BC036026	5475	pENTR223.1 or pUC	1962
PPFIBP2	CSB-CL847688HU	BC021714	8495	pENTR223.1 or pUC	2631
PPHLN1	CSB-CL843343HU	BC039832	51535	pENTR223.1 or pUC	777
PPIA	CSB-CL351810HU1	BC000689	5478	pENTR223.1 or pUC	498
PPIA	CSB-CL351810HU2	BC005982	5478	pENTR223.1 or pUC	498
PPIA	CSB-CL351810HU3	BC007104	5478	pENTR223.1 or pUC	498
PPIAL4G	CSB-CL018453HU	BC130376	644591	pENTR223.1 or pUC	495
PPIB	CSB-CL018472HU	BC001125	5479	pENTR223.1 or pUC	651
PPIC	CSB-CL018473HU	BC002678	5480	pENTR223.1 or pUC	639
PPIE	CSB-CL890944HU	BC004898	10450	pENTR223.1 or pUC	906



Name	Code	Accession No.	Gene ID	Vector	Length
PPIG	CSB-CL615686HU1	BC001555	9360	pENTR223.1 or pUC	1074
PPIG	CSB-CL615686HU2	BC111693	9360	pENTR223.1 or pUC	2220
PPIH	CSB-CL018478HU	BC003412	10465	pENTR223.1 or pUC	534
PPIL2	CSB-CL621661HU1	BC000022	23759	pENTR223.1 or pUC	1584
PPIL2	CSB-CL621661HU2	BC028385	23759	pENTR223.1 or pUC	1563
PPIL3	CSB-CL863962HU	BC007693	53938	pENTR223.1 or pUC	486
PPIL4	CSB-CL851964HU1	BC016984	85313	pENTR223.1 or pUC	579
PPIL4	CSB-CL851964HU2	BC020986	85313	pENTR223.1 or pUC	1479
PPM1A	CSB-CL018489HU	BC026691	5494	pENTR223.1 or pUC	1149
PPM1B	CSB-CL018490HU	BC012002	5495	pENTR223.1	579
PPM1G	CSB-CL018494HU	BC000057	5496	pENTR223.1 or pUC	1641
PPM1K	CSB-CL822697HU	BC037552	152926	pENTR223.1	1119
PPM1M	CSB-CL842717HU	BC009644	132160	pENTR223.1 or pUC	744
PPME1	CSB-CL018501HU	BC003046	51400	pENTR223.1 or pUC	1161
PPOX	CSB-CL018502HU	BC002357	5498	pENTR223.1 or pUC	1434
PPP1CA	CSB-CL018503HU	BC001888	5499	pENTR223.1 or pUC	993
PPP1CB	CSB-CL018504HU	BC002697	5500	pENTR223.1 or pUC	984
PPP1CC	CSB-CL018505HU	BC014073	5501	pENTR223.1 or pUC	972
PPP1R12A	CSB-CL018511HU	BC111752	4659	pUC	3093
PPP1R14A	CSB-CL850252HU	BC021089	94274	pENTR223.1 or pUC	444
PPP1R14D	CSB-CL868348HU	BC096716	54866	pENTR223.1 or pUC	438
PPP1R16B	CSB-CL842762HU	BC131801	26051	pENTR223.1 or pUC	1704
PPP1R1A	CSB-CL613409HU	BC022470	5502	pENTR223.1 or pUC	516
PPP1R1B	CSB-CL880070HU	BC001519	84152	pENTR223.1 or pUC	507
PPP1R2	CSB-CL018537HU	BC007655	5504	pENTR223.1 or pUC	618
PPP1R2P3	CSB-CL754155HU	BC066922	153743	pENTR223.1 or pUC	618
PPP1R3B	CSB-CL769802HU	BC043388	79660	pENTR223.1 or pUC	858



Name	Code	Accession No.	Gene ID	Vector	Length
PPP1R3C	CSB-CL891803HU	BC012625	5507	pENTR223.1 or pUC	954
PPP1R7	CSB-CL622999HU1	BC012397	5510	pENTR223.1 or pUC	843
PPP1R8	CSB-CL618641HU	BC013360	5511	pENTR223.1 or pUC	630
PPP2CA	CSB-CL018559HU	BC002657	5515	pENTR223.1 or pUC	930
PPP2CB	CSB-CL018560HU	BC012022	5516	pENTR223.1 or pUC	930
PPP2R1A	CSB-CL018562HU	BC001537	5518	pENTR223.1	1770
PPP2R1B	CSB-CL018563HU	BC027596	5519	pENTR223.1 or pUC	2004
PPP2R2A	CSB-CL018564HU	BC041071	5520	pENTR223.1 or pUC	1344
PPP2R2B	CSB-CL018565HU	BC031790	5521	pENTR223.1 or pUC	1332
PPP2R2C	CSB-CL897535HU	BC032954	5522	pENTR223.1 or pUC	1293
PPP2R3B	CSB-CL896533HU1	BC011180	28227	pENTR223.1 or pUC	678
PPP2R3C	CSB-CL836171HU1	BC006823	55012	pENTR223.1 or pUC	1362
PPP2R3C	CSB-CL836171HU2	BC063438	55012	pENTR223.1 or pUC	1032
PPP2R4	CSB-CL620876HU	BC002545	5524	pENTR223.1 or pUC	972
PPP2R5C	CSB-CL619761HU	BC016183	5527	pENTR223.1 or pUC	1155
PPP2R5D	CSB-CL614809HU	BC001095	5528	pENTR223.1 or pUC	1809
PPP3CA	CSB-CL600840HU	BC025714	5530	pENTR223.1 or pUC	1536
PPP3CC	CSB-CL018574HU	BC004864	5533	pENTR223.1 or pUC	1539
PPP3R1	CSB-CL018575HU	BC027913	5534	pENTR223.1 or pUC	513
PPP3R2	CSB-CL856978HU	BC030595	5535	pENTR223.1 or pUC	522
PPP4C	CSB-CL018577HU	BC001416	5531	pENTR223.1 or pUC	924
PPP4R1L	CSB-CL868382HU	BC100979	55370	pENTR223.1 or pUC	1248
PPP4R2	CSB-CL889144HU	BC128136	151987	pENTR223.1 or pUC	1254
PPP4R4	CSB-CL757513HU	BC068491	57718	pENTR223.1 or pUC	2622
PPP6C	CSB-CL018583HU	BC006990	5537	pENTR223.1 or pUC	918
PPT1	CSB-CL018587HU	BC008426	5538	pENTR223.1 or pUC	921
PPTC7	CSB-CL836783HU	BC111551	160760	pENTR223.1 or pUC	915



Name	Code	Accession No.	Gene ID	Vector	Length
PPWD1	CSB-CL850265HU	BC015385	23398	pENTR223.1 or pUC	1941
PPY	CSB-CL018591HU	BC032225	5539	pENTR223.1 or pUC	288
PPYR1	CSB-CL018593HU	BC096238	5540	pENTR223.1 or pUC	1128
PQBP1	CSB-CL018594HU	BC012358	10084	pENTR223.1 or pUC	798
PQLC2	CSB-CL744399HU	BC015324	54896	pENTR223.1 or pUC	681
PQLC3	CSB-CL854059HU	BC027625	130814	pENTR223.1 or pUC	609
PRAC	CSB-CL856965HU	BC030950	84366	pENTR223.1 or pUC	174
PRAME	CSB-CL018603HU1	BC014074	23532	pENTR223.1 or pUC	1530
PRAME	CSB-CL018603HU2	BC039731	23532	pENTR223.1 or pUC	1530
PRAMEF5	CSB-CL018622HU	BC130274	343068	pENTR223.1 or pUC	1431
PRAMEF6	CSB-CL018623HU	BC101342	440561	pENTR223.1 or pUC	1431
PRC1	CSB-CL018633HU1	BC003138	9055	pENTR223.1	1863
PRC1	CSB-CL018633HU2	BC005140	9055	pENTR223.1 or pUC	1731
PRCC	CSB-CL846094HU1	BC004913	5546	pENTR223.1 or pUC	1476
PRCC	CSB-CL846094HU2	BC010450	5546	pENTR223.1 or pUC	1476
PRDM1	CSB-CL018638HU	BC103832	639	pENTR223.1 or pUC	2076
PRDM10	CSB-CL878858HU	BC117415	56980	pUC	3225
PRDM14	CSB-CL863934HU	BC052311	63978	pENTR223.1 or pUC	1716
PRDM4	CSB-CL890920HU	BC035581	11108	pENTR223.1 or pUC	2406
PRDM5	CSB-CL868292HU1	BC066942	11107	pENTR223.1 or pUC	336
PRDM5	CSB-CL868292HU2	BC121037	11107	pENTR223.1 or pUC	1800
PRDM7	CSB-CL873626HU	BC107033	11105	pENTR223.1 or pUC	516
PRDX2	CSB-CL339235HU	BC064138	7001	pENTR223.1	429
PRDX3	CSB-CL018656HU1	BC008435	10935	pENTR223.1	771
PRDX3	CSB-CL018656HU2	BC021691	10935	pENTR223.1 or pUC	771
PRDX3	CSB-CL018656HU3	BC002685	10935	pENTR223.1 or pUC	771
PRDX4	CSB-CL621653HU	BC003609	10549	pENTR223.1 or pUC	816



Name	Code	Accession No.	Gene ID	Vector	Length
PRDX5	CSB-CL018658HU	BC113723	25824	pENTR223.1 or pUC	645
PRDX6	CSB-CL018659HU	BC035857	9588	pENTR223.1 or pUC	675
PREB	CSB-CL867205HU1	BC002765	10113	pENTR223.1 or pUC	1254
PRELID1	CSB-CL896867HU	BC000007	27166	pUC	660
PRELID2	CSB-CL850836HU	BC012033	153768	pENTR223.1 or pUC	447
PRELP	CSB-CL018663HU	BC032498	5549	pENTR223.1 or pUC	1149
PREPL	CSB-CL018665HU	BC013193	9581	pENTR223.1 or pUC	735
PRF1	CSB-CL018668HU	BC063043	5551	pENTR223.1 or pUC	1668
PRG2	CSB-CL018670HU	BC005929	5553	pENTR223.1	669
PRG3	CSB-CL018671HU	BC113411	10394	pENTR223.1 or pUC	678
PRH1	CSB-CL360887HU1	BC064553	5554	pENTR223.1 or pUC	564
PRH1	CSB-CL360887HU2	BC133676	5554	pENTR223.1 or pUC	501
PRICKLE4	CSB-CL652689HU	BC110459	29964	pENTR223.1 or pUC	1038
PRIM1	CSB-CL018680HU	BC005266	5557	pENTR223.1 or pUC	1263
PRIM2	CSB-CL018681HU1	BC017833	5558	pENTR223.1 or pUC	477
PRIM2	CSB-CL018681HU2	BC064931	5558	pENTR223.1 or pUC	1530
PRKAA1	CSB-CL618759HU1	BC037303	5562	pENTR223.1	1653
PRKAA1	CSB-CL618759HU2	BC048980	5562	pENTR223.1 or pUC	1725
PRKAB2	CSB-CL527326HU	BC053610	5565	pENTR223.1 or pUC	819
PRKACB	CSB-CL018689HU1	BC016285	5567	pENTR223.1 or pUC	774
PRKACB	CSB-CL018689HU2	BC035058	5567	pENTR223.1 or pUC	1056
PRKACG	CSB-CL018690HU	BC039888	5568	pENTR223.1 or pUC	1056
PRKAG2	CSB-CL887021HU1	BC020540	51422	pENTR223.1	987
PRKAG2	CSB-CL887021HU2	BC068598	51422	pENTR223.1	1578
PRKAG3	CSB-CL883379HU	BC098277	53632	pENTR223.1 or pUC	1470
PRKAR1A	CSB-CL018694HU	BC036285	5573	pENTR223.1 or pUC	1146
PRKAR2A	CSB-CL018697HU	BC002763	5576	pENTR223.1 or pUC	1149



Name	Code	Accession No.	Gene ID	Vector	Length
PRKAR2B	CSB-CL018698HU	BC075800	5577	pENTR223.1	1257
PRKCA	CSB-CL018699HU	BC109273	5578	pENTR223.1	2019
PRKCH	CSB-CL018706HU1	BC001000	5583	pUC	126
PRKCSH	CSB-CL018709HU	BC013586	5589	pENTR223.1	1197
PRKD3	CSB-CL018713HU	BC030706	23683	pENTR223.1 or pUC	1836
PRKG1	CSB-CL619797HU	BC127090	5592	pENTR223.1 or pUC	2061
PRKRA	CSB-CL018717HU	BC009470	8575	pUC	942
PRKRIP1	CSB-CL872516HU	BC014298	79706	pENTR223.1 or pUC	555
PRKRIR	CSB-CL018719HU1	BC021992	5612	pENTR223.1 or pUC	453
PRL	CSB-CL018724HU	BC015850	5617	pENTR223.1 or pUC	684
PRM1	CSB-CL018728HU	BC003673	5619	pENTR223.1 or pUC	156
PRM2	CSB-CL018729HU	BC005303	5620	pENTR223.1 or pUC	309
PRMT1	CSB-CL859113HU	BC109282	3276	pENTR223.1 or pUC	1032
PRMT2	CSB-CL018732HU	BC000727	3275	pENTR223.1 or pUC	1302
PRMT6	CSB-CL856972HU	BC063446	55170	pENTR223.1 or pUC	951
PRMT8	CSB-CL889086HU	BC022458	56341	pENTR223.1 or pUC	1005
PRND	CSB-CL890741HU	BC043644	23627	pENTR223.1 or pUC	531
PRNP	CSB-CL018739HU1	BC022532	5621	pENTR223.1 or pUC	762
PRNP	CSB-CL018739HU2	BC012844	5621	pENTR223.1 or pUC	762
PRO0461	CSB-CL887056HU	BC062576	652276	pENTR223.1 or pUC	363
PROC	CSB-CL018742HU	BC034377	5624	pENTR223.1	1386
PROCA1	CSB-CL839853HU	BC029574	147011	pENTR223.1 or pUC	1011
PROCR	CSB-CL892160HU	BC014451	10544	pENTR223.1 or pUC	717
PRODH	CSB-CL018744HU	BC118597	5625	pENTR223.1 or pUC	1479
PROK2	CSB-CL875716HU	BC098162	60675	pENTR223.1	390
PROKR1	CSB-CL018748HU	BC100960	10887	pENTR223.1 or pUC	1182
PROS1	CSB-CL018754HU	BC015801	5627	pENTR223.1 or pUC	2031



Name	Code	Accession No.	Gene ID	Vector	Length
PROSC	CSB-CL018755HU	BC012334	11212	pENTR223.1 or pUC	828
PRPF19	CSB-CL891786HU	BC008719	27339	pENTR223.1 or pUC	1515
PRPF3	CSB-CL018763HU	BC000184	9129	pENTR223.1 or pUC	2052
PRPF31	CSB-CL823900HU	BC117389	26121	pENTR223.1 or pUC	1500
PRPF38A	CSB-CL818748HU	BC000777	84950	pENTR223.1 or pUC	378
PRPF39	CSB-CL769774HU	BC125126	55015	pENTR223.1 or pUC	1890
PRPF4	CSB-CL018768HU1	BC007424	9128	pENTR223.1	1566
PRPF4	CSB-CL018768HU2	BC001588	9128	pENTR223.1 or pUC	1569
PRPF40A	CSB-CL018769HU	BC027178	55660	pENTR223.1 or pUC	648
PRPS1	CSB-CL018776HU	BC001605	5631	pENTR223.1 or pUC	957
PRPSAP1	CSB-CL614534HU	BC009012	5635	pENTR223.1 or pUC	1071
PRR11	CSB-CL836225HU	BC008669	55771	pENTR223.1 or pUC	1083
PRR13	CSB-CL882152HU2	BC066943	54458	pENTR223.1 or pUC	447
PRR14	CSB-CL871591HU	BC000119	78994	pENTR223.1 or pUC	1758
PRR16	CSB-CL704084HU	BC038838	51334	pENTR223.1 or pUC	705
PRR19	CSB-CL018792HU	BC063021	284338	pENTR223.1 or pUC	708
PRR3	CSB-CL018794HU1	BC126455	80742	pENTR223.1 or pUC	567
PRR3	CSB-CL018794HU2	BC126457	80742	pENTR223.1 or pUC	567
PRR5	CSB-CL018796HU	BC016921	55615	pENTR223.1 or pUC	864
PRR7	CSB-CL837420HU1	BC021240	80758	pENTR223.1 or pUC	825
PRRC1	CSB-CL853460HU	BC017066	133619	pENTR223.1 or pUC	1335
PRRG1	CSB-CL018800HU	BC060833	5638	pENTR223.1 or pUC	657
PRRG3	CSB-CL866327HU	BC128256	79057	pENTR223.1 or pUC	696
PRRG4	CSB-CL874853HU1	BC010052	79056	pENTR223.1 or pUC	681
PRRG4	CSB-CL874853HU2	BC063393	79056	pENTR223.1 or pUC	681
PRRT2	CSB-CL018805HU1	BC011405	112476	pENTR223.1 or pUC	1023
PRRT2	CSB-CL018805HU2	BC053594	112476	pENTR223.1	1023



Name	Code	Accession No.	Gene ID	Vector	Length
PRSS1	CSB-CL018811HU	BC128226	5644	pENTR223.1	744
PRSS2	CSB-CL018814HU1	BC030260	5645	pENTR223.1 or pUC	720
PRSS2	CSB-CL018814HU2	BC103997	5645	pUC	744
PRSS23	CSB-CL018817HU	BC001278	11098	pENTR223.1 or pUC	1152
PRSS3	CSB-CL330412HU	BC069494	5646	pENTR223.1 or pUC	744
PRSS35	CSB-CL839792HU	BC037170	167681	pENTR223.1 or pUC	1242
PRTFDC1	CSB-CL889092HU	BC008662	56952	pENTR223.1 or pUC	678
PRUNE	CSB-CL771430HU1	BC063481	58497	pENTR223.1 or pUC	507
PRUNE2	CSB-CL848821HU1	BC019095	158471	pENTR223.1	780
PRUNE2	CSB-CL848821HU2	BC022571	158471	pENTR223.1 or pUC	576
PRY	CSB-CL018834HU	BC113548	9081	pENTR223.1 or pUC	444
PSCA	CSB-CL018840HU	BC023582	8000	pENTR223.1 or pUC	372
PSD2	CSB-CL861115HU	BC038233	84249	pENTR223.1 or pUC	2316
PSD3	CSB-CL878924HU	BC011238	23362	pENTR223.1 or pUC	315
PSD4	CSB-CL843332HU	BC035307	23550	pUC	3084
PSEN2	CSB-CL018847HU	BC006365	5664	pENTR223.1 or pUC	1347
PSENEEN	CSB-CL878932HU	BC009575	55851	pENTR223.1 or pUC	306
PSG1	CSB-CL018849HU	BC058285	5669	pENTR223.1 or pUC	1260
PSG11	CSB-CL891577HU	BC020711	5680	pENTR223.1 or pUC	660
PSG2	CSB-CL018852HU	BC022316	5670	pENTR223.1 or pUC	1008
PSG3	CSB-CL618081HU	BC005924	5671	pENTR223.1 or pUC	1287
PSG5	CSB-CL618979HU	BC012607	5673	pENTR223.1 or pUC	1008
PSG6	CSB-CL018856HU	BC020652	5675	pENTR223.1 or pUC	1275
PSKH2	CSB-CL822291HU	BC126180	85481	pENTR223.1 or pUC	1158
PSMA1	CSB-CL018865HU1	BC005932	5682	pENTR223.1 or pUC	792
PSMA1	CSB-CL018865HU2	BC002577	5682	pENTR223.1 or pUC	792
PSMA2	CSB-CL018866HU	BC047697	5683	pENTR223.1 or pUC	705



Name	Code	Accession No.	Gene ID	Vector	Length
PSMA3	CSB-CL018867HU1	BC005265	5684	pENTR223.1 or pUC	747
PSMA3	CSB-CL018867HU2	BC029402	5684	pENTR223.1 or pUC	768
PSMA4	CSB-CL018869HU1	BC005361	5685	pENTR223.1 or pUC	786
PSMA4	CSB-CL018869HU2	BC056249	5685	pENTR223.1 or pUC	714
PSMA5	CSB-CL018870HU	BC102018	5686	pENTR223.1 or pUC	726
PSMA6	CSB-CL018871HU1	BC002979	5687	pENTR223.1 or pUC	741
PSMA6	CSB-CL018871HU2	BC023659	5687	pENTR223.1 or pUC	741
PSMA8	CSB-CL855031HU1	BC025393	143471	pENTR223.1 or pUC	597
PSMA8	CSB-CL855031HU2	BC025389	143471	pENTR223.1 or pUC	729
PSMB1	CSB-CL018876HU1	BC000508	5689	pENTR223.1 or pUC	726
PSMB1	CSB-CL018876HU2	BC020807	5689	pENTR223.1 or pUC	726
PSMB10	CSB-CL018877HU1	BC017198	5699	pENTR223.1 or pUC	822
PSMB2	CSB-CL018879HU	BC000268	5690	pENTR223.1 or pUC	606
PSMB3	CSB-CL018880HU	BC013008	5691	pENTR223.1 or pUC	618
PSMB4	CSB-CL018882HU1	BC017307	5692	pENTR223.1 or pUC	795
PSMB4	CSB-CL018882HU2	BC008314	5692	pENTR223.1 or pUC	795
PSMB4	CSB-CL018882HU3	BC010098	5692	pENTR223.1 or pUC	795
PSMB4	CSB-CL018882HU4	BC000331	5692	pENTR223.1 or pUC	795
PSMB5	CSB-CL018883HU	BC057840	5693	pENTR223.1 or pUC	792
PSMB7	CSB-CL859509HU	BC000509	5695	pENTR223.1 or pUC	834
PSMB9	CSB-CL018887HU	BC065513	5698	pENTR223.1 or pUC	660
PSMC1	CSB-CL018888HU1	BC016368	5700	pENTR223.1	1323
PSMC1	CSB-CL018888HU2	BC000512	5700	pENTR223.1 or pUC	1323
PSMC1	CSB-CL018888HU3	BC067741	5700	pENTR223.1	1323
PSMC2	CSB-CL018890HU	BC002589	5701	pENTR223.1 or pUC	1302
PSMC3	CSB-CL018891HU	BC073165	5702	pENTR223.1 or pUC	1320
PSMC4	CSB-CL018894HU1	BC010396	5704	pENTR223.1 or pUC	1164



Name	Code	Accession No.	Gene ID	Vector	Length
PSMC4	CSB-CL018894HU2	BC000343	5704	pENTR223.1 or pUC	1257
PSMC5	CSB-CL018895HU	BC001932	5705	pENTR223.1 or pUC	1221
PSMC6	CSB-CL018896HU	BC005390	5706	pENTR223.1 or pUC	1170
PSMD10	CSB-CL018899HU	BC011960	5716	pENTR223.1 or pUC	681
PSMD12	CSB-CL018902HU1	BC019062	5718	pENTR223.1 or pUC	1371
PSMD13	CSB-CL890768HU	BC001100	5719	pENTR223.1 or pUC	1131
PSMD14	CSB-CL018904HU1	BC009524	10213	pENTR223.1 or pUC	288
PSMD14	CSB-CL018904HU2	BC066336	10213	pENTR223.1 or pUC	933
PSMD2	CSB-CL619755HU	BC007897	5708	pENTR223.1 or pUC	2727
PSMD3	CSB-CL018907HU2	BC012302	5709	pENTR223.1 or pUC	1605
PSMD3	CSB-CL018907HU3	BC020518	5709	pENTR223.1 or pUC	1605
PSMD4	CSB-CL018908HU	BC002365	5710	pENTR223.1	1134
PSMD5	CSB-CL618074HU	BC014478	5711	pENTR223.1 or pUC	1515
PSMD6	CSB-CL614875HU	BC000630	9861	pENTR223.1 or pUC	1170
PSMD7	CSB-CL018912HU	BC012606	5713	pENTR223.1 or pUC	975
PSMD8	CSB-CL018913HU	BC001164	5714	pENTR223.1 or pUC	774
PSMD9	CSB-CL018914HU	BC002383	5715	pENTR223.1 or pUC	672
PSME1	CSB-CL018915HU	BC000352	5720	pENTR223.1	750
PSME2	CSB-CL891958HU1	BC004368	5721	pENTR223.1 or pUC	720
PSME2	CSB-CL891958HU2	BC072025	5721	pENTR223.1 or pUC	720
PSME3	CSB-CL018918HU	BC001423	10197	pENTR223.1 or pUC	765
PSME4	CSB-CL618917HU1	BC071768	23198	pENTR223.1 or pUC	648
PSMF1	CSB-CL852882HU1	BC029836	9491	pENTR223.1 or pUC	669
PSMF1	CSB-CL852882HU2	BC126462	9491	pENTR223.1 or pUC	816
PSMG1	CSB-CL018921HU	BC003619	8624	pENTR223.1 or pUC	867
PSMG2	CSB-CL836172HU	BC013356	56984	pENTR223.1 or pUC	795
PSMG3	CSB-CL861132HU	BC004308	84262	pENTR223.1 or pUC	369



Name	Code	Accession No.	Gene ID	Vector	Length
PSPC1	CSB-CL018937HU	BC014184	55269	pENTR223.1	1182
PSPH	CSB-CL018938HU	BC063614	5723	pENTR223.1 or pUC	678
PSRC1	CSB-CL754266HU	BC056909	84722	pENTR223.1 or pUC	1092
PSTK	CSB-CL816881HU	BC035344	118672	pENTR223.1 or pUC	1047
PSTPIP1	CSB-CL018944HU	BC008602	9051	pENTR223.1 or pUC	1251
PSTPIP2	CSB-CL884494HU	BC035395	9050	pENTR223.1 or pUC	939
PTAFR	CSB-CL018946HU	BC063000	5724	pENTR223.1	1029
PTBP2	CSB-CL892133HU	BC016582	58155	pENTR223.1 or pUC	1599
PTCD1	CSB-CL018951HU	BC103495	26024	pENTR223.1 or pUC	2103
PTCD2	CSB-CL823887HU	BC018720	79810	pENTR223.1 or pUC	711
PTCD3	CSB-CL850290HU	BC011832	55037	pENTR223.1 or pUC	1650
PTCHD3	CSB-CL668587HU	BC107139	374308	pENTR223.1 or pUC	2304
PTCRA	CSB-CL018961HU	BC100771	171558	pENTR223.1 or pUC	846
PTDSS1	CSB-CL018962HU1	BC004192	9791	pENTR223.1	1422
PTDSS1	CSB-CL018962HU2	BC002376	9791	pENTR223.1 or pUC	984
PTER	CSB-CL846593HU1	BC050411	9317	pENTR223.1 or pUC	1050
PTER	CSB-CL846593HU2	BC015092	9317	pENTR223.1 or pUC	1050
PTGDS	CSB-CL018969HU	BC005939	5730	pENTR223.1 or pUC	573
PTGES	CSB-CL018976HU	BC008280	9536	pENTR223.1 or pUC	459
PTGES3	CSB-CL613587HU	BC003005	10728	pENTR223.1	483
PTGS2	CSB-CL018986HU	BC013734	5743	pENTR223.1 or pUC	1815
PTH	CSB-CL018987HU	BC096142	5741	pENTR223.1 or pUC	348
PTHLH	CSB-CL018991HU	BC005961	5744	pENTR223.1 or pUC	528
PTK6	CSB-CL614448HU	BC035843	5753	pENTR223.1 or pUC	1356
PTMA	CSB-CL019000HU1	BC003510	5757	pENTR223.1 or pUC	333
PTMA	CSB-CL019000HU2	BC022433	5757	pENTR223.1 or pUC	333
PTMS	CSB-CL019008HU1	BC007616	5763	pENTR223.1	309



Name	Code	Accession No.	Gene ID	Vector	Length
PTMS	CSB-CL019008HU2	BC017025	5763	pENTR223.1 or pUC	354
PTP4A1	CSB-CL846294HU	BC023975	7803	pENTR223.1 or pUC	522
PTP4A2	CSB-CL613277HU	BC070182	8073	pENTR223.1 or pUC	504
PTP4A3	CSB-CL019014HU	BC003105	11156	pENTR223.1	447
PTPLA	CSB-CL019018HU	BC010353	9200	pENTR223.1 or pUC	867
PTPLB	CSB-CL761567HU	BC060839	201562	pENTR223.1 or pUC	765
PTPMT1	CSB-CL819889HU	BC020242	114971	pENTR223.1 or pUC	606
PTPN1	CSB-CL019024HU	BC015660	5770	pENTR223.1 or pUC	1308
PTPN2	CSB-CL019031HU1	BC016727	5771	pENTR223.1	1062
PTPN2	CSB-CL019031HU2	BC008244	5771	pENTR223.1	1164
PTPN3	CSB-CL019040HU	BC126117	5774	pENTR223.1 or pUC	2742
PTPN4	CSB-CL019041HU	BC010674	5775	pENTR223.1 or pUC	2781
PTPN6	CSB-CL019043HU	BC002523	5777	pENTR223.1	1794
PTPN7	CSB-CL019044HU	BC001746	5778	pENTR223.1 or pUC	1200
PTPN9	CSB-CL019045HU1	BC010863	5780	pENTR223.1	1782
PTPN9	CSB-CL019045HU2	BC071574	5780	pENTR223.1 or pUC	1752
PTPRA	CSB-CL019047HU	BC027308	5786	pENTR223.1 or pUC	2382
PTPRCAP	CSB-CL618909HU	BC113859	5790	pENTR223.1 or pUC	621
PTPRD	CSB-CL019051HU	BC106714	5789	pUC	4521
PTPRO	CSB-CL623099HU2	BC126201	5800	pUC	3651
PTPRS	CSB-CL613393HU	BC029496	5802	pENTR223.1 or pUC	387
PUF60	CSB-CL883409HU1	BC008875	22827	pENTR223.1	1629
PUF60	CSB-CL883409HU2	BC009734	22827	pENTR223.1	1500
PUF60	CSB-CL883409HU3	BC011265	22827	pENTR223.1 or pUC	1551
PURG	CSB-CL891529HU	BC106708	29942	pENTR223.1 or pUC	1044
PUS7	CSB-CL847207HU1	BC005209	54517	pENTR223.1	780
PUS7	CSB-CL847207HU2	BC011396	54517	pENTR223.1 or pUC	618



Name	Code	Accession No.	Gene ID	Vector	Length
PUS7L	CSB-CL867121HU1	BC033621	83448	pENTR223.1 or pUC	2106
PUS7L	CSB-CL867121HU2	BC068502	83448	pENTR223.1 or pUC	2106
PVALB	CSB-CL019092HU	BC069300	5816	pENTR223.1 or pUC	333
PVR	CSB-CL019093HU	BC015542	5817	pENTR223.1 or pUC	1254
PVRIG	CSB-CL721905HU2	BC073861	79037	pENTR223.1 or pUC	981
PVRL1	CSB-CL621867HU	BC113471	5818	pENTR223.1 or pUC	1554
PVRL2	CSB-CL835690HU	BC003091	5819	pENTR223.1 or pUC	1440
PVRL3	CSB-CL882076HU1	BC017572	25945	pENTR223.1 or pUC	306
PVRL3	CSB-CL882076HU2	BC067808	25945	pENTR223.1 or pUC	1101
PWP1	CSB-CL615707HU2	BC010921	11137	pENTR223.1 or pUC	444
PWP1	CSB-CL615707HU1	BC001652	11137	pENTR223.1 or pUC	1506
PWP2	CSB-CL622991HU	BC013309	5822	pENTR223.1 or pUC	2760
PXDNL	CSB-CL019107HU	BC132813	137902	pENTR223.1 or pUC	1548
PXK	CSB-CL770363HU	BC014479	54899	pENTR223.1 or pUC	1353
PXMP2	CSB-CL889089HU	BC009836	5827	pENTR223.1 or pUC	231
PXMP4	CSB-CL897313HU	BC001147	11264	pENTR223.1 or pUC	639
PXT1	CSB-CL818782HU	BC031105	222659	pENTR223.1 or pUC	156
PYCR1	CSB-CL019115HU1	BC022244	5831	pENTR223.1	516
PYCR1	CSB-CL019115HU2	BC001504	5831	pENTR223.1	960
PYCR2	CSB-CL822188HU	BC014868	29920	pENTR223.1 or pUC	963
PYGB	CSB-CL019120HU	BC017045	5834	pENTR223.1 or pUC	2532
PYHIN1	CSB-CL746957HU1	BC020822	149628	pENTR223.1 or pUC	738
PYROXD1	CSB-CL845141HU	BC021662	79912	pENTR223.1 or pUC	1503
PZP	CSB-CL019131HU	BC111756	5858	pENTR223.1	3807
QDPR	CSB-CL019133HU	BC000576	5860	pENTR223.1	735
QKI	CSB-CL842739HU	BC019917	9444	pENTR223.1 or pUC	1026
QPCT	CSB-CL019135HU	BC047756	25797	pENTR223.1 or pUC	1086



Name	Code	Accession No.	Gene ID	Vector	Length
QPCTL	CSB-CL868351HU	BC011553	54814	pENTR223.1 or pUC	867
QRFP	CSB-CL019138HU	BC101127	347148	pENTR223.1 or pUC	411
QRSL1	CSB-CL887948HU	BC006084	55278	pENTR223.1 or pUC	1587
QTRT1	CSB-CL887150HU	BC015350	81890	pENTR223.1 or pUC	1077
QTRTD1	CSB-CL875698HU	BC034559	79691	pENTR223.1 or pUC	1248
R3HDM1	CSB-CL621860HU	BC001217	23518	pENTR223.1 or pUC	276
R3HDML	CSB-CL872491HU	BC107048	140902	pENTR223.1 or pUC	762
RAB10	CSB-CL019152HU	BC000896	10890	pENTR223.1 or pUC	603
RAB11A	CSB-CL019153HU	BC013348	8766	pENTR223.1 or pUC	651
RAB11B	CSB-CL614903HU	BC110081	9230	pENTR223.1 or pUC	657
RAB13	CSB-CL019161HU	BC000799	5872	pENTR223.1 or pUC	612
RAB14	CSB-CL019162HU	BC006081	51552	pENTR223.1 or pUC	648
RAB15	CSB-CL019163HU	BC040679	376267	pENTR223.1 or pUC	627
RAB17	CSB-CL863944HU1	BC050426	64284	pENTR223.1 or pUC	639
RAB17	CSB-CL863944HU2	BC007907	64284	pENTR223.1 or pUC	258
RAB18	CSB-CL878835HU	BC015014	22931	pENTR223.1 or pUC	621
RAB1A	CSB-CL019167HU	BC000905	5861	pENTR223.1 or pUC	618
RAB1B	CSB-CL872427HU	BC071169	81876	pENTR223.1 or pUC	606
RAB20	CSB-CL878910HU	BC026025	55647	pENTR223.1 or pUC	705
RAB22A	CSB-CL891957HU	BC015710	57403	pENTR223.1 or pUC	585
RAB23	CSB-CL891960HU	BC015021	51715	pENTR223.1	714
RAB25	CSB-CL019175HU	BC009831	57111	pENTR223.1 or pUC	642
RAB27A	CSB-CL019177HU	BC132800	5873	pENTR223.1 or pUC	666
RAB27B	CSB-CL019178HU	BC027474	5874	pENTR223.1 or pUC	657
RAB28	CSB-CL019179HU1	BC035054	9364	pENTR223.1 or pUC	666
RAB28	CSB-CL019179HU2	BC018067	9364	pENTR223.1 or pUC	288
RAB2A	CSB-CL019180HU	BC008929	5862	pENTR223.1 or pUC	639



Name	Code	Accession No.	Gene ID	Vector	Length
RAB2B	CSB-CL823880HU1	BC020839	84932	pENTR223.1 or pUC	651
RAB2B	CSB-CL823880HU2	BC066366	84932	pENTR223.1 or pUC	456
RAB30	CSB-CL613602HU	BC014213	27314	pENTR223.1 or pUC	612
RAB32	CSB-CL618795HU	BC015061	10981	pENTR223.1 or pUC	678
RAB33A	CSB-CL613485HU	BC001157	9363	pENTR223.1 or pUC	714
RAB34	CSB-CL319769HU1	BC016841	83871	pENTR223.1 or pUC	756
RAB34	CSB-CL319769HU2	BC066904	83871	pENTR223.1 or pUC	780
RAB35	CSB-CL614887HU	BC015931	11021	pENTR223.1	606
RAB37	CSB-CL842637HU	BC016615	326624	pENTR223.1 or pUC	672
RAB38	CSB-CL019191HU	BC015808	23682	pENTR223.1 or pUC	636
RAB39B	CSB-CL822194HU	BC009714	116442	pENTR223.1	642
RAB3A	CSB-CL019194HU	BC011782	5864	pENTR223.1 or pUC	663
RAB3B	CSB-CL019195HU	BC005035	5865	pENTR223.1 or pUC	660
RAB3C	CSB-CL846609HU	BC013033	115827	pENTR223.1 or pUC	684
RAB3D	CSB-CL019197HU	BC016471	9545	pENTR223.1	660
RAB3IL1	CSB-CL837424HU1	BC022239	5866	pENTR223.1 or pUC	1149
RAB3IP	CSB-CL853488HU1	BC015548	117177	pENTR223.1	765
RAB3IP	CSB-CL853488HU2	BC059358	117177	pENTR223.1	948
RAB40A	CSB-CL848839HU	BC113501	142684	pENTR223.1 or pUC	834
RAB40AL	CSB-CL019203HU	BC101171	282808	pENTR223.1 or pUC	837
RAB40B	CSB-CL615534HU	BC018039	10966	pENTR223.1 or pUC	837
RAB41	CSB-CL708485HU	BC117239	347517	pENTR223.1 or pUC	666
RAB4A	CSB-CL019211HU	BC002438	5867	pENTR223.1 or pUC	657
RAB4B	CSB-CL019212HU	BC046927	53916	pENTR223.1 or pUC	642
RAB5A	CSB-CL019213HU	BC001267	5868	pENTR223.1 or pUC	648
RAB5B	CSB-CL019214HU	BC050558	5869	pENTR223.1 or pUC	648
RAB5C	CSB-CL019215HU	BC114439	5878	pENTR223.1	651



Name	Code	Accession No.	Gene ID	Vector	Length
RAB6A	CSB-CL019216HU	BC003617	5870	pENTR223.1 or pUC	627
RAB6B	CSB-CL873642HU	BC002510	51560	pENTR223.1 or pUC	627
RAB6C	CSB-CL875643HU	BC120999	84084	pENTR223.1 or pUC	765
RAB7A	CSB-CL019219HU	BC013728	7879	pENTR223.1 or pUC	696
RAB7B	CSB-CL853383HU	BC007382	338382	pUC	207
RAB7L1	CSB-CL019221HU	BC002585	8934	pENTR223.1 or pUC	612
RAB8A	CSB-CL019222HU	BC002977	4218	pENTR223.1 or pUC	624
RAB8B	CSB-CL838820HU	BC020654	51762	pENTR223.1 or pUC	624
RAB9A	CSB-CL019224HU	BC017265	9367	pENTR223.1 or pUC	606
RABEP2	CSB-CL880980HU	BC058900	79874	pENTR223.1 or pUC	1602
RABEPK	CSB-CL019230HU1	BC000503	10244	pENTR223.1 or pUC	1119
RABEPK	CSB-CL019230HU2	BC065725	10244	pENTR223.1 or pUC	1119
RABGAP1L	CSB-CL732584HU1	BC012094	9910	pENTR223.1 or pUC	219
RABGAP1L	CSB-CL732584HU2	BC041888	9910	pENTR223.1 or pUC	1818
RABGEF1	CSB-CL883453HU	BC015330	27342	pENTR223.1 or pUC	1476
RABGGTA	CSB-CL852898HU	BC003093	5875	pENTR223.1 or pUC	1704
RABGGTB	CSB-CL019235HU	BC020790	5876	pENTR223.1 or pUC	996
RABIF	CSB-CL019236HU	BC018488	5877	pENTR223.1 or pUC	372
RABL2A	CSB-CL887005HU	BC126129	11159	pENTR223.1 or pUC	675
RABL2B	CSB-CL891569HU1	BC020495	11158	pENTR223.1 or pUC	300
RABL2B	CSB-CL891569HU2	BC014879	11158	pENTR223.1 or pUC	690
RABL5	CSB-CL863998HU1	BC009823	64792	pENTR223.1 or pUC	558
RABL5	CSB-CL863998HU2	BC004522	64792	pENTR223.1 or pUC	468
RAC1	CSB-CL019242HU1	BC004247	5879	pENTR223.1	579
RAC1	CSB-CL019242HU2	BC050687	5879	pENTR223.1	579
RAC2	CSB-CL019248HU	BC001485	5880	pENTR223.1 or pUC	579
RAC3	CSB-CL019249HU	BC009605	5881	pENTR223.1 or pUC	579



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RACGAP1	CSB-CL884432HU	BC032754	29127	pENTR223.1	1899
RAD1	CSB-CL019252HU	BC006837	5810	pENTR223.1 or pUC	849
RAD17	CSB-CL019253HU	BC032304	5884	pENTR223.1 or pUC	2013
RAD18	CSB-CL889102HU	BC001302	56852	pENTR223.1 or pUC	1488
RAD21	CSB-CL019257HU	BC050381	5885	pENTR223.1 or pUC	1896
RAD23A	CSB-CL019259HU	BC014026	5886	pUC	1092
RAD23B	CSB-CL019260HU	BC020973	5887	pENTR223.1 or pUC	1230
RAD51AP1	CSB-CL850261HU1	BC016330	10635	pENTR223.1 or pUC	1059
RAD51AP1	CSB-CL850261HU2	BC006992	10635	pENTR223.1 or pUC	1008
RAD51AP1	CSB-CL850261HU3	BC005973	10635	pENTR223.1 or pUC	798
RAD51C	CSB-CL019266HU	BC000667	5889	pENTR223.1 or pUC	405
RAD54B	CSB-CL896748HU2	BC033710	25788	pENTR223.1	477
RAD54B	CSB-CL896748HU1	BC001965	25788	pENTR223.1	2733
RAD54L2	CSB-CL896892HU	BC024298	23132	pUC	4080
RAD9B	CSB-CL740946HU1	BC068031	144715	pENTR223.1 or pUC	816
RAD9B	CSB-CL740946HU2	BC047645	144715	pENTR223.1 or pUC	780
RADIL	CSB-CL853440HU1	BC004919	55698	pENTR223.1 or pUC	1116
RAE1	CSB-CL019276HU	BC106923	8480	pENTR223.1 or pUC	1107
RAET1E	CSB-CL855052HU	BC103694	135250	pENTR223.1	792
RAF1	CSB-CL019284HU	BC018119	5894	pENTR223.1 or pUC	1947
RAI1	CSB-CL768772HU	BC021209	10743	pENTR223.1 or pUC	2901
RALB	CSB-CL019297HU	BC018163	5899	pENTR223.1 or pUC	621
RALBP1	CSB-CL618981HU	BC013126	10928	pENTR223.1	1968
RALGPS1	CSB-CL683358HU1	BC032372	9649	pENTR223.1 or pUC	918
RALGPS1	CSB-CL683358HU2	BC033708	9649	pENTR223.1 or pUC	1155
RALYL	CSB-CL771422HU	BC031090	138046	pENTR223.1 or pUC	876
RAMP1	CSB-CL019304HU	BC000548	10267	pENTR223.1 or pUC	447



Name	Code	Accession No.	Gene ID	Vector	Length
RAMP3	CSB-CL019306HU1	BC053852	10268	pENTR223.1 or pUC	447
RAMP3	CSB-CL019306HU2	BC022304	10268	pENTR223.1 or pUC	447
RAN	CSB-CL019307HU	BC014518	5901	pENTR223.1 or pUC	651
RANBP3	CSB-CL867162HU	BC004349	8498	pENTR223.1 or pUC	1194
RANGAP1	CSB-CL019318HU	BC014044	5905	pENTR223.1 or pUC	1764
RANGRF	CSB-CL019319HU1	BC012552	29098	pENTR223.1 or pUC	498
RANGRF	CSB-CL019319HU2	BC006486	29098	pENTR223.1 or pUC	498
RAP1A	CSB-CL019321HU	BC014086	5906	pENTR223.1 or pUC	555
RAP1B	CSB-CL019323HU	BC000176	5908	pENTR223.1	555
RAP1GDS1	CSB-CL019325HU1	BC001816	5910	pENTR223.1 or pUC	1824
RAP1GDS1	CSB-CL019325HU2	BC098269	5910	pENTR223.1 or pUC	1827
RAP2B	CSB-CL019327HU	BC012362	5912	pENTR223.1 or pUC	552
RAPGEF4	CSB-CL820189HU1	BC040183	11069	pENTR223.1 or pUC	2604
RAPGEF4	CSB-CL820189HU2	BC024004	11069	pUC	3036
RAPGEF5	CSB-CL821676HU	BC039203	9771	pENTR223.1 or pUC	1335
RAPSN	CSB-CL613424HU	BC004196	5913	pENTR223.1 or pUC	1062
RARA	CSB-CL019338HU2	BC071733	5914	pENTR223.1	1374
RARB	CSB-CL019339HU	BC060794	5915	pENTR223.1 or pUC	1347
RARRES2	CSB-CL857881HU	BC000069	5919	pENTR223.1	492
RARRES3	CSB-CL892340HU	BC009678	5920	pENTR223.1 or pUC	495
RARS	CSB-CL019344HU	BC000528	5917	pENTR223.1 or pUC	1983
RARS2	CSB-CL732918HU2	BC022341	57038	pENTR223.1 or pUC	1080
RARS2	CSB-CL732918HU1	BC010420	57038	pENTR223.1 or pUC	1737
RASA1	CSB-CL019346HU	BC033015	5921	pUC	3144
RASD2	CSB-CL842653HU	BC013419	23551	pENTR223.1 or pUC	801
RASGEF1A	CSB-CL854076HU	BC022548	221002	pENTR223.1 or pUC	1287
RASGEF1B	CSB-CL610807HU	BC121003	153020	pENTR223.1 or pUC	1419



Name	Code	Accession No.	Gene ID	Vector	Length
RASGEF1C	CSB-CL836660HU	BC057759	255426	pENTR223.1 or pUC	717
RASGRP3	CSB-CL808539HU	BC027849	25780	pENTR223.1 or pUC	2073
RASL10B	CSB-CL842758HU	BC041133	91608	pENTR223.1 or pUC	612
RASL11A	CSB-CL750972HU	BC132703	387496	pENTR223.1 or pUC	729
RASL12	CSB-CL878926HU	BC053734	51285	pENTR223.1 or pUC	801
RASSF1	CSB-CL885715HU1	BC110412	11186	pENTR223.1 or pUC	570
RASSF3	CSB-CL801247HU	BC100952	283349	pENTR223.1 or pUC	507
RASSF4	CSB-CL880956HU	BC032593	83937	pENTR223.1 or pUC	966
RASSF5	CSB-CL819906HU	BC042651	83593	pENTR223.1 or pUC	798
RASSF6	CSB-CL754570HU	BC058835	166824	pENTR223.1 or pUC	903
RASSF8	CSB-CL818819HU	BC030021	11228	pENTR223.1 or pUC	1179
RBBP4	CSB-CL600201HU	BC003092	5928	pENTR223.1 or pUC	1278
RBBP5	CSB-CL613589HU	BC053856	5929	pENTR223.1 or pUC	1617
RBBP6	CSB-CL768776HU	BC029352	5930	pENTR223.1 or pUC	357
RBBP7	CSB-CL621959HU	BC114501	5931	pENTR223.1 or pUC	1278
RBBP8	CSB-CL857871HU	BC030590	5932	pENTR223.1	2709
RBBP9	CSB-CL019394HU	BC015938	10741	pENTR223.1 or pUC	561
RBKS	CSB-CL019397HU	BC017425	64080	pENTR223.1 or pUC	969
RBL1	CSB-CL019398HU	BC032247	5933	pUC	3045
RBM10	CSB-CL019400HU1	BC004181	8241	pENTR223.1 or pUC	2793
RBM11	CSB-CL019401HU	BC030196	54033	pENTR223.1 or pUC	846
RBM12	CSB-CL865137HU	BC012787	10137	pENTR223.1	2799
RBM12B	CSB-CL818253HU	BC039260	389677	pENTR223.1 or pUC	2298
RBM14	CSB-CL850409HU2	BC007641	10432	pENTR223.1	228
RBM15	CSB-CL857030HU1	BC006397	64783	pENTR223.1 or pUC	2802
RBM15B	CSB-CL843331HU1	BC001367	29890	pENTR223.1 or pUC	1257
RBM15B	CSB-CL843331HU2	BC139836	29890	pENTR223.1 or pUC	1692



Name	Code	Accession No.	Gene ID	Vector	Length
RBM17	CSB-CL853432HU1	BC007871	84991	pENTR223.1 or pUC	1206
RBM17	CSB-CL853432HU2	BC039322	84991	pENTR223.1 or pUC	1206
RBM22	CSB-CL889126HU	BC003402	55696	pENTR223.1 or pUC	1263
RBM23	CSB-CL771432HU1	BC002566	55147	pENTR223.1 or pUC	1275
RBM23	CSB-CL771432HU2	BC024208	55147	pENTR223.1 or pUC	1272
RBM26	CSB-CL716358HU1	BC000791	64062	pENTR223.1 or pUC	186
RBM26	CSB-CL716358HU3	BC111697	64062	pENTR223.1 or pUC	2952
RBM28	CSB-CL865154HU	BC013889	55131	pENTR223.1 or pUC	2280
RBM3	CSB-CL019420HU	BC006825	5935	pENTR223.1	474
RBM33	CSB-CL850289HU	BC011923	155435	pENTR223.1 or pUC	807
RBM34	CSB-CL019422HU	BC029451	23029	pENTR223.1 or pUC	1278
RBM4	CSB-CL880118HU1	BC032735	5936	pENTR223.1	1095
RBM4	CSB-CL880118HU2	BC021120	5936	pENTR223.1	534
RBM41	CSB-CL850315HU	BC006986	55285	pENTR223.1 or pUC	1242
RBM45	CSB-CL814203HU	BC066549	129831	pENTR223.1 or pUC	1425
RBM46	CSB-CL851536HU	BC028588	166863	pENTR223.1 or pUC	1602
RBM5	CSB-CL019434HU	BC002957	10181	pENTR223.1 or pUC	1641
RBM6	CSB-CL019435HU	BC046643	10180	pENTR223.1 or pUC	1806
RBM7	CSB-CL896729HU	BC034381	10179	pENTR223.1 or pUC	801
RBM8A	CSB-CL896536HU1	BC017088	9939	pENTR223.1	525
RBM8A	CSB-CL896536HU2	BC017770	9939	pENTR223.1 or pUC	237
RBMS2	CSB-CL613593HU	BC027863	5939	pENTR223.1 or pUC	1224
RBMX	CSB-CL019444HU	BC006550	27316	pENTR223.1 or pUC	1176
RBM1A1	CSB-CL319143HU2	BC070298	5940	pENTR223.1 or pUC	1380
RBM1F	CSB-CL614891HU	BC030018	159163	pENTR223.1 or pUC	1491
RBP1	CSB-CL019480HU	BC121052	5947	pENTR223.1 or pUC	408
RBP2	CSB-CL019481HU1	BC069296	5948	pENTR223.1 or pUC	405



Name	Code	Accession No.	Gene ID	Vector	Length
RBP2	CSB-CL019481HU2	BC069396	5948	pENTR223.1 or pUC	405
RBP4	CSB-CL019483HU	BC020633	5950	pENTR223.1	606
RBP5	CSB-CL019484HU	BC029355	83758	pENTR223.1 or pUC	408
RBP7	CSB-CL019485HU	BC063013	116362	pENTR223.1 or pUC	405
RBPMS	CSB-CL821892HU	BC003608	11030	pENTR223.1	660
RBX1	CSB-CL019496HU	BC001466	9978	pENTR223.1 or pUC	327
RC3H2	CSB-CL884510HU	BC044642	54542	pENTR223.1 or pUC	1521
RCAN1	CSB-CL019500HU	BC002864	1827	pENTR223.1 or pUC	594
RCAN2	CSB-CL618879HU	BC038509	10231	pENTR223.1 or pUC	678
RCAN3	CSB-CL891720HU	BC035854	11123	pENTR223.1 or pUC	726
RCBTB1	CSB-CL843330HU	BC038104	55213	pENTR223.1 or pUC	1068
RCBTB2	CSB-CL019504HU	BC029052	1102	pENTR223.1 or pUC	1656
RCHY1	CSB-CL822281HU1	BC047393	25898	pENTR223.1 or pUC	786
RCHY1	CSB-CL822281HU2	BC031057	25898	pENTR223.1 or pUC	513
RCN1	CSB-CL618980HU	BC010120	5954	pENTR223.1 or pUC	996
RCOR3	CSB-CL019517HU	BC031608	55758	pENTR223.1 or pUC	1311
RCVRN	CSB-CL019519HU	BC001720	5957	pENTR223.1 or pUC	603
RD3	CSB-CL800101HU	BC065541	343035	pENTR223.1 or pUC	588
RDBP	CSB-CL019521HU	BC025235	7936	pENTR223.1	1143
RDH11	CSB-CL844716HU1	BC011727	51109	pENTR223.1 or pUC	957
RDH11	CSB-CL844716HU2	BC037302	51109	pENTR223.1 or pUC	957
RDH11	CSB-CL844716HU3	BC026274	51109	pENTR223.1 or pUC	957
RDH12	CSB-CL842727HU	BC025724	145226	pENTR223.1 or pUC	951
RDH13	CSB-CL839845HU	BC009881	112724	pENTR223.1 or pUC	783
RDH5	CSB-CL856423HU	BC028298	5959	pENTR223.1 or pUC	957
RDM1	CSB-CL839879HU1	BC038301	201299	pENTR223.1 or pUC	786
RDM1	CSB-CL839879HU2	BC127190	201299	pENTR223.1 or pUC	855



Name	Code	Accession No.	Gene ID	Vector	Length
RDX	CSB-CL019532HU	BC047109	5962	pENTR223.1 or pUC	1752
REC8	CSB-CL019535HU1	BC010887	9985	pENTR223.1 or pUC	1644
REC8	CSB-CL019535HU2	BC004159	9985	pENTR223.1 or pUC	1644
RECK	CSB-CL019536HU	BC060806	8434	pENTR223.1 or pUC	678
REEP1	CSB-CL862045HU	BC064846	65055	pENTR223.1 or pUC	606
REEP2	CSB-CL887109HU	BC006218	51308	pENTR223.1 or pUC	759
REEP3	CSB-CL754137HU	BC068557	221035	pENTR223.1 or pUC	768
REEP4	CSB-CL875682HU	BC013048	80346	pENTR223.1 or pUC	774
REEP6	CSB-CL842684HU	BC008201	92840	pENTR223.1 or pUC	555
REG1A	CSB-CL019546HU	BC005350	5967	pENTR223.1	501
REG1B	CSB-CL019547HU	BC027895	5968	pENTR223.1 or pUC	501
REG3G	CSB-CL751009HU	BC103854	130120	pENTR223.1 or pUC	528
REG4	CSB-CL887169HU	BC017089	83998	pENTR223.1 or pUC	477
RELL2	CSB-CL854096HU	BC063469	285613	pENTR223.1 or pUC	912
RELT	CSB-CL853377HU1	BC017279	84957	pENTR223.1 or pUC	1293
RELT	CSB-CL853377HU2	BC051810	84957	pENTR223.1 or pUC	1293
REN	CSB-CL019561HU	BC047752	5972	pENTR223.1	1221
RENB	CSB-CL019562HU	BC015558	5973	pENTR223.1 or pUC	1254
REPS1	CSB-CL856915HU1	BC021211	85021	pENTR223.1 or pUC	1962
RER1	CSB-CL019567HU	BC004965	11079	pENTR223.1 or pUC	591
RERG	CSB-CL850254HU	BC007997	85004	pENTR223.1 or pUC	600
REST	CSB-CL019571HU	BC132859	5978	pUC	3294
RETN	CSB-CL019573HU	BC069302	56729	pUC	327
RETNLB	CSB-CL860653HU	BC113502	84666	pENTR223.1 or pUC	336
REX01L2P	CSB-CL019580HU	BC113453	441362	pENTR223.1 or pUC	957
REX04	CSB-CL863931HU	BC009274	57109	pENTR223.1 or pUC	1269
RFC4	CSB-CL019591HU	BC017452	5984	pENTR223.1 or pUC	1092



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RFC5	CSB-CL019592HU	BC001866	5985	pENTR223.1 or pUC	1023
RFESD	CSB-CL840551HU	BC024023	317671	pENTR223.1 or pUC	474
RFFL	CSB-CL848846HU	BC028424	117584	pENTR223.1 or pUC	984
RFK	CSB-CL836167HU	BC007069	55312	pENTR223.1 or pUC	489
RFPL2	CSB-CL019599HU	BC051910	10739	pENTR223.1 or pUC	867
RFPL3	CSB-CL019600HU	BC031689	10738	pENTR223.1 or pUC	867
RFPL4B	CSB-CL019603HU	BC132796	442247	pENTR223.1 or pUC	792
RFTN1	CSB-CL614806HU	BC100667	23180	pENTR223.1 or pUC	1737
RFTN2	CSB-CL687456HU	BC113361	130132	pENTR223.1 or pUC	1506
RFX3	CSB-CL019612HU2	BC067778	5991	pENTR223.1 or pUC	1242
RFX4	CSB-CL656361HU1	BC028582	5992	pENTR223.1 or pUC	1926
RFX4	CSB-CL656361HU2	BC030644	5992	pENTR223.1 or pUC	1926
RFX6	CSB-CL812809HU	BC039248	222546	pENTR223.1 or pUC	2787
RG9MTD1	CSB-CL748718HU	BC035967	54931	pENTR223.1 or pUC	1194
RG9MTD3	CSB-CL764792HU1	BC057774	158234	pENTR223.1 or pUC	951
RG9MTD3	CSB-CL764792HU2	BC012175	158234	pENTR223.1 or pUC	525
RGMA	CSB-CL836186HU	BC015886	56963	pENTR223.1	1305
RGP1	CSB-CL838781HU	BC001725	9827	pENTR223.1 or pUC	1176
RGR	CSB-CL019640HU1	BC008094	5995	pENTR223.1 or pUC	363
RGR	CSB-CL019640HU2	BC011349	5995	pENTR223.1 or pUC	888
RGS10	CSB-CL019642HU	BC009361	6001	pENTR223.1 or pUC	546
RGS11	CSB-CL019643HU	BC141803	8786	pENTR223.1 or pUC	1404
RGS13	CSB-CL019645HU	BC016667	6003	pENTR223.1 or pUC	480
RGS16	CSB-CL019647HU	BC006243	6004	pENTR223.1	609
RGS17	CSB-CL019648HU	BC013117	26575	pENTR223.1 or pUC	633
RGS18	CSB-CL019649HU	BC020632	64407	pENTR223.1 or pUC	708
RGS2	CSB-CL019651HU	BC007049	5997	pENTR223.1	636



Name	Code	Accession No.	Gene ID	Vector	Length
RGS20	CSB-CL019652HU1	BC015614	8601	pENTR223.1 or pUC	654
RGS22	CSB-CL019654HU1	BC047060	26166	pENTR223.1 or pUC	1515
RGS3	CSB-CL019655HU1	BC018072	5998	pENTR223.1 or pUC	579
RGS3	CSB-CL019655HU2	BC019039	5998	pENTR223.1 or pUC	525
RGS4	CSB-CL019656HU	BC000737	5999	pENTR223.1 or pUC	618
RGS5	CSB-CL019657HU	BC030059	8490	pENTR223.1 or pUC	546
RGS6	CSB-CL019658HU	BC113572	9628	pENTR223.1 or pUC	1419
RGS7	CSB-CL019659HU	BC022009	6000	pENTR223.1 or pUC	1464
RGS8	CSB-CL019661HU1	BC069677	85397	pENTR223.1 or pUC	543
RGS8	CSB-CL019661HU2	BC069718	85397	pENTR223.1 or pUC	597
RGSL1	CSB-CL019664HU	BC121033	353299	pENTR223.1 or pUC	1608
RHBDD1	CSB-CL823471HU1	BC027900	84236	pENTR223.1 or pUC	321
RHBDD1	CSB-CL823471HU2	BC101263	84236	pENTR223.1 or pUC	948
RHBDD2	CSB-CL743985HU	BC006234	57414	pENTR223.1 or pUC	672
RHBDF2	CSB-CL744137HU	BC016034	79651	pENTR223.1 or pUC	1860
RHBDL2	CSB-CL873678HU	BC013103	54933	pENTR223.1 or pUC	366
RHCG	CSB-CL880059HU	BC030965	51458	pENTR223.1 or pUC	1440
RHD	CSB-CL019677HU	BC139922	6007	pENTR223.1	966
RHEB	CSB-CL624022HU1	BC016155	6009	pENTR223.1 or pUC	555
RHEB	CSB-CL624022HU2	BC066307	6009	pENTR223.1 or pUC	555
RHEBL1	CSB-CL855034HU	BC027482	121268	pENTR223.1 or pUC	552
RHOA	CSB-CL019682HU1	BC001360	387	pENTR223.1 or pUC	582
RHOA	CSB-CL019682HU2	BC005976	387	pENTR223.1	582
RHOBTB1	CSB-CL019684HU1	BC032848	9886	pENTR223.1 or pUC	2091
RHOBTB1	CSB-CL019684HU2	BC041791	9886	pENTR223.1 or pUC	2091
RHOBTB3	CSB-CL019686HU	BC041337	22836	pENTR223.1 or pUC	1836
RHOC	CSB-CL019687HU	BC007245	389	pENTR223.1 or pUC	582



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RHOD	CSB-CL019688HU	BC001338	29984	pENTR223.1 or pUC	633
RHOF	CSB-CL867192HU	BC018208	54509	pENTR223.1 or pUC	513
RHOG	CSB-CL019690HU	BC104178	391	pENTR223.1 or pUC	576
RHOH	CSB-CL618992HU	BC014261	399	pENTR223.1 or pUC	576
RHOJ	CSB-CL872495HU	BC062575	57381	pENTR223.1 or pUC	645
RHOQ	CSB-CL019693HU	BC056154	23433	pENTR223.1	618
RHOT1	CSB-CL814223HU1	BC125104	55288	pENTR223.1 or pUC	1857
RHOT1	CSB-CL814223HU2	BC060781	55288	pENTR223.1 or pUC	1857
RHOV	CSB-CL842703HU	BC112945	171177	pENTR223.1 or pUC	711
RHOXF2	CSB-CL861117HU	BC021719	84528	pENTR223.1 or pUC	867
RIBC1	CSB-CL836661HU	BC036767	158787	pENTR223.1 or pUC	1140
RIBC2	CSB-CL884469HU	BC003024	26150	pENTR223.1 or pUC	930
RIC3	CSB-CL800217HU	BC022455	79608	pENTR223.1 or pUC	1107
RIC8A	CSB-CL878847HU1	BC011821	60626	pENTR223.1	1263
RIC8A	CSB-CL878847HU2	BC121808	60626	pENTR223.1 or pUC	1593
RIC8B	CSB-CL889121HU	BC132689	55188	pENTR223.1 or pUC	1563
RICTOR	CSB-CL761396HU	BC029608	253260	pENTR223.1 or pUC	798
RILPL1	CSB-CL691645HU	BC080626	353116	pENTR223.1 or pUC	759
RILPL2	CSB-CL839282HU	BC013042	196383	pENTR223.1 or pUC	636
RIMBP3	CSB-CL866217HU	BC035246	85376	pENTR223.1 or pUC	2409
RIMKLA	CSB-CL816903HU	BC039737	284716	pENTR223.1 or pUC	1053
RIMKLB	CSB-CL890931HU	BC033793	57494	pENTR223.1 or pUC	924
RIMS2	CSB-CL892173HU	BC043144	9699	pUC	3492
RIMS3	CSB-CL890726HU	BC003103	9783	pENTR223.1 or pUC	927
RIN1	CSB-CL019726HU	BC014417	9610	pENTR223.1 or pUC	2352
RIN2	CSB-CL019727HU	BC128065	54453	pENTR223.1 or pUC	1389
RINT1	CSB-CL747351HU	BC068483	60561	pENTR223.1 or pUC	2379



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RIOK1	CSB-CL871562HU	BC006104	83732	pENTR223.1 or pUC	1707
RIOK3	CSB-CL019734HU	BC028360	8780	pENTR223.1 or pUC	1275
RIPK2	CSB-CL019736HU	BC004553	8767	pENTR223.1 or pUC	1623
RIPPLY1	CSB-CL609990HU	BC105692	92129	pENTR223.1 or pUC	456
RIT1	CSB-CL846116HU	BC104186	6016	pENTR223.1 or pUC	660
RIT2	CSB-CL860769HU	BC018060	6014	pENTR223.1 or pUC	654
RLBP1	CSB-CL019743HU	BC004199	6017	pENTR223.1	954
RLN1	CSB-CL019749HU	BC005956	6013	pENTR223.1 or pUC	558
RLN2	CSB-CL019750HU	BC126415	6019	pENTR223.1 or pUC	558
RMI1	CSB-CL875699HU	BC064937	80010	pENTR223.1 or pUC	1413
RMND1	CSB-CL882123HU1	BC012081	55005	pENTR223.1	627
RMND1	CSB-CL882123HU2	BC119683	55005	pENTR223.1 or pUC	1350
RMND5A	CSB-CL875693HU1	BC012165	64795	pENTR223.1 or pUC	1176
RMND5A	CSB-CL875693HU2	BC047668	64795	pENTR223.1 or pUC	1176
RMND5B	CSB-CL856939HU	BC009911	64777	pENTR223.1 or pUC	1182
RNASE1	CSB-CL019789HU	BC005324	6035	pENTR223.1 or pUC	471
RNASE11	CSB-CL840550HU	BC025410	122651	pENTR223.1 or pUC	600
RNASE4	CSB-CL019796HU	BC015520	6038	pENTR223.1 or pUC	444
RNASE6	CSB-CL839002HU	BC020848	6039	pENTR223.1 or pUC	453
RNASE9	CSB-CL019800HU	BC130311	390443	pENTR223.1 or pUC	618
RNASEH2B	CSB-CL732934HU	BC036744	79621	pENTR223.1 or pUC	996
RNASEL	CSB-CL313223HU	BC115697	6041	pENTR223.1 or pUC	2226
RNASET2	CSB-CL019810HU	BC001660	8635	pENTR223.1	771
RND1	CSB-CL835694HU	BC026356	27289	pENTR223.1 or pUC	699
RND2	CSB-CL019812HU	BC018096	8153	pENTR223.1 or pUC	510
RND3	CSB-CL019813HU	BC012513	390	pENTR223.1	735
RNF10	CSB-CL019814HU1	BC016622	9921	pENTR223.1 or pUC	2436



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RNF103	CSB-CL019815HU	BC035053	7844	pENTR223.1 or pUC	2058
RNF11	CSB-CL019816HU	BC020964	26994	pENTR223.1 or pUC	465
RNF111	CSB-CL741051HU1	BC010369	54778	pENTR223.1 or pUC	414
RNF113A	CSB-CL019819HU	BC000832	7737	pENTR223.1 or pUC	1032
RNF114	CSB-CL019821HU	BC013695	55905	pENTR223.1 or pUC	687
RNF125	CSB-CL836205HU	BC012021	54941	pENTR223.1 or pUC	699
RNF126	CSB-CL019828HU	BC001442	55658	pENTR223.1 or pUC	981
RNF128	CSB-CL837448HU	BC063404	79589	pENTR223.1 or pUC	1287
RNF13	CSB-CL019831HU	BC009781	11342	pENTR223.1 or pUC	1146
RNF130	CSB-CL803148HU	BC113864	55819	pENTR223.1 or pUC	831
RNF133	CSB-CL855485HU	BC022038	168433	pENTR223.1 or pUC	1131
RNF138	CSB-CL851971HU	BC018107	51444	pENTR223.1 or pUC	738
RNF139	CSB-CL837849HU	BC021571	11236	pENTR223.1 or pUC	1995
RNF14	CSB-CL887008HU	BC126185	9604	pENTR223.1 or pUC	1425
RNF141	CSB-CL019839HU	BC018104	50862	pENTR223.1 or pUC	693
RNF144A	CSB-CL019840HU	BC050373	9781	pENTR223.1 or pUC	879
RNF144B	CSB-CL768765HU	BC063311	255488	pENTR223.1 or pUC	909
RNF146	CSB-CL889110HU	BC008235	81847	pENTR223.1 or pUC	1077
RNF148	CSB-CL019844HU	BC029264	378925	pENTR223.1 or pUC	918
RNF150	CSB-CL019846HU	BC101992	57484	pENTR223.1 or pUC	945
RNF170	CSB-CL019857HU	BC013422	81790	pENTR223.1 or pUC	351
RNF180	CSB-CL769769HU	BC101277	285671	pENTR223.1 or pUC	1251
RNF181	CSB-CL882167HU	BC002803	51255	pENTR223.1 or pUC	462
RNF182	CSB-CL822714HU	BC030666	221687	pENTR223.1 or pUC	744
RNF183	CSB-CL019862HU	BC013036	138065	pENTR223.1 or pUC	579
RNF185	CSB-CL850300HU	BC009504	91445	pENTR223.1	579
RNF20	CSB-CL736198HU	BC110585	56254	pENTR223.1 or pUC	2928



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RNF208	CSB-CL019871HU	BC016958	727800	pENTR223.1 or pUC	543
RNF212	CSB-CL019872HU1	BC101260	285498	pENTR223.1 or pUC	894
RNF213	CSB-CL717453HU	BC032220	57674	pENTR223.1 or pUC	1530
RNF214	CSB-CL019874HU	BC064581	257160	pENTR223.1 or pUC	1923
RNF219	CSB-CL019878HU	BC028586	79596	pENTR223.1 or pUC	1626
RNF220	CSB-CL719619HU	BC000279	55182	pENTR223.1 or pUC	339
RNF24	CSB-CL019881HU	BC000213	11237	pENTR223.1 or pUC	447
RNF25	CSB-CL842641HU	BC015612	64320	pENTR223.1 or pUC	1380
RNF26	CSB-CL019883HU	BC000058	79102	pENTR223.1 or pUC	1302
RNF31	CSB-CL856927HU1	BC009821	55072	pENTR223.1 or pUC	1770
RNF32	CSB-CL019885HU1	BC015416	140545	pENTR223.1 or pUC	708
RNF32	CSB-CL019885HU2	BC028120	140545	pENTR223.1 or pUC	771
RNF34	CSB-CL856886HU	BC007826	80196	pENTR223.1 or pUC	1119
RNF38	CSB-CL019887HU	BC033786	152006	pENTR223.1 or pUC	1299
RNF40	CSB-CL019890HU	BC006133	9810	pUC	3006
RNF41	CSB-CL880976HU	BC032637	10193	pENTR223.1 or pUC	954
RNF5	CSB-CL857879HU1	BC004155	6048	pENTR223.1 or pUC	543
RNF5	CSB-CL857879HU2	BC119742	6048	pENTR223.1 or pUC	543
RNF5	CSB-CL857879HU3	BC119741	6048	pENTR223.1 or pUC	543
RNF6	CSB-CL897080HU	BC034688	6049	pENTR223.1 or pUC	2058
RNF7	CSB-CL880060HU1	BC008627	9616	pENTR223.1	342
RNF7	CSB-CL880060HU2	BC005966	9616	pENTR223.1 or pUC	342
RNF8	CSB-CL019898HU	BC007517	9025	pENTR223.1 or pUC	1458
RNFT1	CSB-CL692548HU	BC006971	51136	pENTR223.1 or pUC	627
RNGTT	CSB-CL526449HU	BC019954	8732	pENTR223.1 or pUC	1794
RNH1	CSB-CL019901HU1	BC003506	6050	pENTR223.1	1386
RNH1	CSB-CL019901HU2	BC000677	6050	pENTR223.1 or pUC	1386



Name	Code	Accession No.	Gene ID	Vector	Length
RNMTL1	CSB-CL867196HU1	BC011550	55178	pENTR223.1 or pUC	1263
RNPC3	CSB-CL850387HU	BC010697	55599	pENTR223.1 or pUC	786
RNPS1	CSB-CL621869HU	BC001659	10921	pENTR223.1	918
ROBO3	CSB-CL846671HU	BC008623	64221	pENTR223.1 or pUC	444
ROGDI	CSB-CL867108HU	BC012901	79641	pENTR223.1 or pUC	864
ROMO1	CSB-CL020063HU	BC008488	140823	pENTR223.1 or pUC	240
ROPN1	CSB-CL888012HU	BC132744	54763	pENTR223.1 or pUC	639
ROPN1B	CSB-CL866334HU	BC015413	152015	pENTR223.1 or pUC	363
ROPN1L	CSB-CL856908HU	BC014607	83853	pENTR223.1 or pUC	693
RORA	CSB-CL020069HU2	BC100987	6095	pENTR223.1 or pUC	1407
RORC	CSB-CL020071HU	BC031554	6097	pENTR223.1 or pUC	1557
RP2	CSB-CL020076HU	BC043348	6102	pENTR223.1 or pUC	1053
RPA1	CSB-CL020088HU	BC018126	6117	pENTR223.1 or pUC	1851
RPA2	CSB-CL020089HU	BC001630	6118	pENTR223.1 or pUC	813
RPA3	CSB-CL020091HU	BC005264	6119	pENTR223.1 or pUC	366
RPA4	CSB-CL622640HU	BC069791	29935	pENTR223.1 or pUC	786
RPAIN	CSB-CL774801HU1	BC046349	84268	pENTR223.1 or pUC	321
RPAIN	CSB-CL774801HU2	BC051849	84268	pENTR223.1 or pUC	660
RPAP2	CSB-CL816906HU	BC039014	79871	pENTR223.1 or pUC	1839
RPE	CSB-CL853385HU	BC005148	6120	pENTR223.1 or pUC	687
RPGR	CSB-CL838814HU	BC031624	6103	pENTR223.1 or pUC	1443
RPH3A	CSB-CL896693HU	BC017259	22895	pENTR223.1 or pUC	2073
RPH3AL	CSB-CL891975HU	BC113413	9501	pENTR223.1 or pUC	948
RPIA	CSB-CL020104HU	BC015529	22934	pENTR223.1 or pUC	714
RPL10A	CSB-CL020107HU	BC006791	4736	pENTR223.1	654
RPL10L	CSB-CL850330HU	BC014310	140801	pENTR223.1 or pUC	645
RPL11	CSB-CL020115HU	BC018970	6135	pENTR223.1 or pUC	534



Name	Code	Accession No.	Gene ID	Vector	Length
RPL12	CSB-CL020116HU	BC059950	6136	pENTR223.1 or pUC	399
RPL13A	CSB-CL020130HU1	BC000514	23521	pENTR223.1 or pUC	612
RPL13A	CSB-CL020130HU2	BC062537	23521	pENTR223.1	612
RPL13A	CSB-CL020130HU3	BC070223	23521	pENTR223.1 or pUC	612
RPL14	CSB-CL020142HU1	BC029036	9045	pENTR223.1 or pUC	654
RPL14	CSB-CL020142HU2	BC019651	9045	pENTR223.1	660
RPL14	CSB-CL020142HU3	BC005134	9045	pENTR223.1 or pUC	669
RPL14	CSB-CL020142HU4	BC000606	9045	pENTR223.1 or pUC	651
RPL14	CSB-CL020142HU5	BC009294	9045	pENTR223.1 or pUC	657
RPL15	CSB-CL020144HU1	BC014837	6138	pENTR223.1 or pUC	615
RPL15	CSB-CL020144HU2	BC071672	6138	pENTR223.1 or pUC	615
RPL15	CSB-CL020144HU3	BC081565	6138	pENTR223.1 or pUC	438
RPL17	CSB-CL020149HU1	BC000502	6139	pENTR223.1 or pUC	555
RPL17	CSB-CL020149HU2	BC066324	6139	pENTR223.1 or pUC	555
RPL19	CSB-CL020160HU	BC000530	6143	pENTR223.1 or pUC	591
RPL23	CSB-CL020186HU1	BC010114	9349	pENTR223.1 or pUC	423
RPL23	CSB-CL020186HU2	BC062716	9349	pENTR223.1 or pUC	423
RPL23A	CSB-CL020187HU	BC014459	6147	pENTR223.1 or pUC	471
RPL26L1	CSB-CL892361HU	BC017360	51121	pENTR223.1 or pUC	438
RPL27	CSB-CL020213HU1	BC001700	6155	pENTR223.1 or pUC	411
RPL27	CSB-CL020213HU2	BC021886	6155	pENTR223.1 or pUC	423
RPL27A	CSB-CL020214HU1	BC014919	6157	pENTR223.1 or pUC	105
RPL28	CSB-CL020217HU1	BC010173	6158	pENTR223.1 or pUC	414
RPL28	CSB-CL020217HU2	BC010182	6158	pENTR223.1 or pUC	414
RPL3	CSB-CL020224HU1	BC012146	6122	pENTR223.1 or pUC	1212
RPL3	CSB-CL020224HU2	BC002408	6122	pENTR223.1 or pUC	1212
RPL3	CSB-CL020224HU3	BC004323	6122	pENTR223.1 or pUC	711



Name	Code	Accession No.	Gene ID	Vector	Length
RPL3	CSB-CL020224HU4	BC006483	6122	pENTR223.1 or pUC	1212
RPL3	CSB-CL020224HU5	BC008492	6122	pENTR223.1 or pUC	1212
RPL30	CSB-CL020225HU	BC032700	6156	pENTR223.1 or pUC	348
RPL31	CSB-CL020227HU	BC017343	6160	pENTR223.1	378
RPL32	CSB-CL020237HU	BC011514	6161	pENTR223.1 or pUC	408
RPL34	CSB-CL020243HU	BC001773	6164	pENTR223.1	354
RPL35	CSB-CL020247HU1	BC010919	11224	pENTR223.1	372
RPL35	CSB-CL020247HU2	BC000348	11224	pENTR223.1 or pUC	372
RPL35A	CSB-CL020248HU	BC001037	6165	pENTR223.1	333
RPL36	CSB-CL897487HU	BC004971	25873	pENTR223.1 or pUC	318
RPL36AL	CSB-CL822166HU	BC000741	6166	pENTR223.1 or pUC	321
RPL37A	CSB-CL020267HU1	BC014262	6168	pENTR223.1 or pUC	279
RPL37A	CSB-CL020267HU2	BC063476	6168	pENTR223.1 or pUC	219
RPL39	CSB-CL020277HU	BC001019	6170	pENTR223.1 or pUC	156
RPL39L	CSB-CL850285HU	BC012328	116832	pENTR223.1 or pUC	156
RPL4	CSB-CL020289HU	BC001365	6124	pENTR223.1 or pUC	1284
RPL5	CSB-CL020297HU	BC001882	6125	pENTR223.1 or pUC	306
RPL7L1	CSB-CL735330HU	BC073890	285855	pENTR223.1 or pUC	741
RPL8	CSB-CL020323HU1	BC000077	6132	pENTR223.1 or pUC	774
RPL8	CSB-CL020323HU2	BC012197	6132	pENTR223.1 or pUC	774
RPL9	CSB-CL020326HU1	BC000483	6133	pENTR223.1 or pUC	579
RPL9	CSB-CL020326HU2	BC066318	6133	pENTR223.1 or pUC	579
RPLP0	CSB-CL020336HU1	BC000345	6175	pENTR223.1 or pUC	954
RPLP0	CSB-CL020336HU2	BC000087	6175	pENTR223.1 or pUC	954
RPLP0	CSB-CL020336HU3	BC001127	6175	pENTR223.1 or pUC	954
RPLP1	CSB-CL020340HU	BC003369	6176	pENTR223.1	345
RPN1	CSB-CL020344HU	BC010839	6184	pENTR223.1 or pUC	1824



Name	Code	Accession No.	Gene ID	Vector	Length
RPN2	CSB-CL020345HU	BC003560	6185	pENTR223.1 or pUC	1896
RPP14	CSB-CL020346HU	BC012017	11102	pENTR223.1 or pUC	375
RPP21	CSB-CL887986HU	BC011730	79897	pENTR223.1 or pUC	465
RPP38	CSB-CL020350HU	BC029494	10557	pENTR223.1 or pUC	852
RPP40	CSB-CL020351HU	BC017871	10799	pENTR223.1 or pUC	735
RPRD1A	CSB-CL850404HU	BC000225	55197	pENTR223.1 or pUC	831
RPRD1B	CSB-CL878854HU	BC033629	58490	pENTR223.1 or pUC	981
RPRM	CSB-CL868308HU	BC002908	56475	pENTR223.1 or pUC	330
RPS10	CSB-CL020359HU	BC001032	6204	pENTR223.1 or pUC	498
RPS11	CSB-CL020365HU	BC007283	6205	pENTR223.1	477
RPS12	CSB-CL020367HU	BC017321	6206	pENTR223.1 or pUC	399
RPS13	CSB-CL020370HU	BC000475	6207	pENTR223.1 or pUC	456
RPS14	CSB-CL020371HU1	BC001126	6208	pENTR223.1 or pUC	456
RPS14	CSB-CL020371HU2	BC020515	6208	pENTR223.1 or pUC	456
RPS15	CSB-CL020372HU	BC141832	6209	pENTR223.1	438
RPS15A	CSB-CL020373HU1	BC030569	6210	pENTR223.1 or pUC	393
RPS15A	CSB-CL020373HU2	BC001697	6210	pENTR223.1 or pUC	393
RPS16	CSB-CL020379HU1	BC007977	6217	pENTR223.1 or pUC	441
RPS16	CSB-CL020379HU2	BC004324	6217	pENTR223.1 or pUC	441
RPS16	CSB-CL020379HU3	BC071674	6217	pENTR223.1 or pUC	459
RPS17	CSB-CL020380HU1	BC009407	6218	pENTR223.1 or pUC	408
RPS17	CSB-CL020380HU2	BC070222	6218	pENTR223.1 or pUC	408
RPS19	CSB-CL020388HU	BC000023	6223	pENTR223.1	438
RPS19BP1	CSB-CL803139HU	BC037573	91582	pENTR223.1 or pUC	411
RPS2	CSB-CL020393HU3	BC016178	6187	pENTR223.1	882
RPS21	CSB-CL020399HU	BC018140	6227	pENTR223.1	246
RPS24	CSB-CL020402HU	BC000523	6229	pENTR223.1 or pUC	393



Name	Code	Accession No.	Gene ID	Vector	Length
RPS25	CSB-CL020406HU	BC003537	6230	pENTR223.1 or pUC	378
RPS26	CSB-CL020407HU	BC002604	6231	pENTR223.1 or pUC	348
RPS27	CSB-CL020419HU	BC002658	6232	pENTR223.1 or pUC	255
RPS27A	CSB-CL020420HU	BC001392	6233	pENTR223.1	471
RPS27L	CSB-CL758272HU1	BC003667	51065	pENTR223.1 or pUC	255
RPS27L	CSB-CL758272HU2	BC047648	51065	pENTR223.1 or pUC	342
RPS28	CSB-CL020430HU	BC000354	6234	pENTR223.1 or pUC	210
RPS29	CSB-CL020432HU	BC032813	6235	pENTR223.1 or pUC	171
RPS3	CSB-CL020443HU1	BC003137	6188	pENTR223.1	732
RPS3	CSB-CL020443HU2	BC071669	6188	pENTR223.1 or pUC	354
RPS3A	CSB-CL020444HU1	BC000204	6189	pENTR223.1	795
RPS3A	CSB-CL020444HU2	BC066926	6189	pENTR223.1 or pUC	795
RPS4X	CSB-CL020456HU1	BC007308	6191	pENTR223.1 or pUC	597
RPS4X	CSB-CL020456HU3	BC100903	6191	pENTR223.1 or pUC	792
RPS4Y1	CSB-CL020457HU1	BC010286	6192	pENTR223.1 or pUC	792
RPS4Y1	CSB-CL020457HU2	BC100905	6192	pENTR223.1 or pUC	792
RPS5	CSB-CL020459HU	BC015405	6193	pENTR223.1	615
RPS6	CSB-CL020463HU1	BC013296	6194	pENTR223.1 or pUC	750
RPS6	CSB-CL020463HU2	BC000524	6194	pENTR223.1 or pUC	750
RPS6	CSB-CL020463HU3	BC027620	6194	pENTR223.1	750
RPS6KA3	CSB-CL020466HU	BC096301	6197	pENTR223.1 or pUC	2223
RPS6KA5	CSB-CL020468HU	BC017187	9252	pENTR223.1 or pUC	1650
RPS6KB1	CSB-CL020470HU	BC053365	6198	pENTR223.1	1356
RPS7	CSB-CL020476HU	BC002866	6201	pENTR223.1 or pUC	585
RPS8	CSB-CL020478HU	BC070875	6202	pENTR223.1 or pUC	627
RPSA	CSB-CL020485HU1	BC005391	3921	pENTR223.1 or pUC	888
RPSA	CSB-CL020485HU2	BC013827	3921	pENTR223.1 or pUC	888



Name	Code	Accession No.	Gene ID	Vector	Length
RPSA	CSB-CL020485HU3	BC066941	3921	pENTR223.1 or pUC	888
RPSA	CSB-CL020485HU4	BC050688	3921	pENTR223.1 or pUC	888
RPUSD4	CSB-CL836192HU	BC014131	84881	pENTR223.1 or pUC	1134
RQCD1	CSB-CL842140HU	BC007102	9125	pENTR223.1 or pUC	777
RRAGA	CSB-CL752099HU	BC006433	10670	pENTR223.1 or pUC	942
RRAGD	CSB-CL889081HU	BC003088	58528	pENTR223.1 or pUC	750
RRAS2	CSB-CL020514HU	BC013106	22800	pENTR223.1 or pUC	615
RRM1	CSB-CL020518HU	BC006498	6240	pENTR223.1 or pUC	2379
RRM2	CSB-CL020519HU	BC001886	6241	pENTR223.1 or pUC	1170
RRM2B	CSB-CL745339HU	BC117496	50484	pENTR223.1	1056
RRP1	CSB-CL020526HU1	BC000380	8568	pUC	1386
RRP1	CSB-CL020526HU2	BC014787	8568	pENTR223.1 or pUC	1080
RSAD2	CSB-CL848838HU	BC017969	91543	pENTR223.1 or pUC	1086
RSBN1	CSB-CL020537HU	BC026155	54665	pENTR223.1 or pUC	1236
RSL1D1	CSB-CL020542HU1	BC112228	26156	pENTR223.1 or pUC	1473
RSL1D1	CSB-CL020542HU2	BC113699	26156	pENTR223.1 or pUC	1473
RSPH1	CSB-CL823913HU	BC113367	89765	pENTR223.1	930
RSPH10B	CSB-CL020545HU	BC034495	222967	pENTR223.1 or pUC	2496
RSPH10B2	CSB-CL020546HU	BC044242	728194	pENTR223.1 or pUC	843
RSPH3	CSB-CL769775HU	BC050604	83861	pENTR223.1 or pUC	1683
RSPO1	CSB-CL644834HU	BC114966	284654	pENTR223.1	792
RSPO2	CSB-CL751021HU	BC027938	340419	pENTR223.1	531
RSPO3	CSB-CL887154HU	BC022367	84870	pENTR223.1 or pUC	819
RSPRY1	CSB-CL822199HU	BC013173	89970	pENTR223.1 or pUC	1731
RSRC1	CSB-CL836232HU1	BC010357	51319	pENTR223.1	831
RSRC1	CSB-CL836232HU2	BC006982	51319	pENTR223.1 or pUC	1005
RSRC2	CSB-CL755486HU	BC008684	65117	pENTR223.1 or pUC	609



Name	Code	Accession No.	Gene ID	Vector	Length
RSU1	CSB-CL020558HU	BC005993	6251	pENTR223.1 or pUC	834
RTBDN	CSB-CL020560HU	BC005063	83546	pENTR223.1 or pUC	786
RTCD1	CSB-CL520755HU	BC012604	8634	pENTR223.1 or pUC	1140
RTDR1	CSB-CL887042HU	BC008986	27156	pENTR223.1 or pUC	1047
RTKN	CSB-CL020565HU1	BC017727	6242	pENTR223.1 or pUC	1653
RTKN2	CSB-CL810311HU	BC025765	219790	pENTR223.1 or pUC	492
RTN1	CSB-CL619090HU1	BC000314	6252	pENTR223.1 or pUC	600
RTN1	CSB-CL619090HU2	BC111694	6252	pENTR223.1 or pUC	2109
RTN3	CSB-CL020570HU	BC000634	10313	pENTR223.1 or pUC	711
RTN4	CSB-CL878853HU1	BC001035	57142	pENTR223.1	600
RTN4IP1	CSB-CL848832HU	BC006399	84816	pENTR223.1 or pUC	1065
RTN4RL1	CSB-CL803121HU	BC128608	146760	pENTR223.1 or pUC	1326
RTP2	CSB-CL728807HU	BC068081	344892	pENTR223.1 or pUC	678
RTP3	CSB-CL887106HU	BC131756	83597	pENTR223.1 or pUC	699
RTP4	CSB-CL842659HU	BC013161	64108	pENTR223.1 or pUC	741
RUFY1	CSB-CL839417HU	BC032571	80230	pENTR223.1 or pUC	1803
RUFY2	CSB-CL848835HU	BC041092	55680	pENTR223.1 or pUC	1212
RUFY4	CSB-CL751157HU	BC113712	285180	pENTR223.1 or pUC	1197
RUNDC3A	CSB-CL685437HU	BC006194	10900	pENTR223.1 or pUC	1218
RUSC1	CSB-CL871585HU	BC001045	23623	pENTR223.1	1302
RUVBL1	CSB-CL896483HU	BC002993	8607	pENTR223.1 or pUC	1371
RUVBL2	CSB-CL897459HU1	BC004531	10856	pENTR223.1	1392
RUVBL2	CSB-CL897459HU2	BC000428	10856	pENTR223.1 or pUC	1392
RUVBL2	CSB-CL897459HU3	BC008355	10856	pENTR223.1 or pUC	780
RWDD1	CSB-CL863976HU	BC015802	51389	pENTR223.1 or pUC	732
RWDD2A	CSB-CL883450HU	BC010930	112611	pENTR223.1 or pUC	879
RWDD2B	CSB-CL020605HU1	BC012546	10069	pENTR223.1 or pUC	960



Name	Code	Accession No.	Gene ID	Vector	Length
RWDD2B	CSB-CL020605HU2	BC017912	10069	pENTR223.1 or pUC	960
RXFP1	CSB-CL875715HU	BC113617	59350	pENTR223.1 or pUC	2274
RXRA	CSB-CL020612HU	BC007925	6256	pENTR223.1	498
RYBP	CSB-CL854036HU1	BC014959	23429	pENTR223.1	687
S100A1	CSB-CL020622HU	BC014392	6271	pENTR223.1 or pUC	285
S100A10	CSB-CL020623HU	BC015973	6281	pENTR223.1 or pUC	294
S100A11	CSB-CL020624HU	BC001410	6282	pENTR223.1	318
S100A12	CSB-CL020626HU	BC070294	6283	pENTR223.1 or pUC	279
S100A13	CSB-CL859514HU	BC000632	6284	pENTR223.1 or pUC	297
S100A14	CSB-CL875728HU	BC005019	57402	pENTR223.1 or pUC	315
S100A16	CSB-CL853418HU	BC010541	140576	pENTR223.1 or pUC	312
S100A2	CSB-CL020630HU	BC002829	6273	pENTR223.1 or pUC	294
S100A3	CSB-CL020631HU	BC012893	6274	pENTR223.1	306
S100A4	CSB-CL020632HU	BC016300	6275	pENTR223.1	306
S100A6	CSB-CL020634HU	BC001431	6277	pENTR223.1 or pUC	273
S100A7	CSB-CL020635HU	BC034687	6278	pENTR223.1 or pUC	306
S100A8	CSB-CL020641HU	BC005928	6279	pENTR223.1 or pUC	282
S100B	CSB-CL020643HU	BC001766	6285	pENTR223.1	279
S100P	CSB-CL020645HU	BC006819	6286	pENTR223.1	288
S100PBP	CSB-CL822185HU	BC015175	64766	pENTR223.1 or pUC	1227
S1PR1	CSB-CL020650HU	BC018650	1901	pENTR223.1 or pUC	1149
S1PR3	CSB-CL859932HU	BC060827	1903	pENTR223.1 or pUC	1137
SAA1	CSB-CL365776HU	BC007022	6288	pENTR223.1	369
SAA4	CSB-CL020659HU	BC007026	6291	pENTR223.1 or pUC	393
SACM1L	CSB-CL868317HU	BC016559	22908	pENTR223.1 or pUC	1764
SAE1	CSB-CL883359HU	BC000344	10055	pENTR223.1	1041
SAFB	CSB-CL621873HU	BC126219	6294	pENTR223.1 or pUC	2754



Name	Code	Accession No.	Gene ID	Vector	Length
SALL2	CSB-CL896719HU	BC024245	6297	pENTR223.1 or pUC	597
SALL4	CSB-CL892126HU	BC111714	57167	pUC	3162
SAMD12	CSB-CL847657HU	BC124554	401474	pENTR223.1 or pUC	606
SAMD3	CSB-CL843281HU	BC029851	154075	pENTR223.1 or pUC	666
SAMD4A	CSB-CL892367HU2	BC057838	23034	pENTR223.1 or pUC	744
SAMD7	CSB-CL801801HU	BC117339	344658	pENTR223.1 or pUC	1341
SAMHD1	CSB-CL896510HU	BC036450	25939	pENTR223.1 or pUC	1881
SAMM50	CSB-CL896898HU1	BC011681	25813	pUC	1410
SAMM50	CSB-CL896898HU2	BC015200	25813	pUC	1410
SAMSN1	CSB-CL885722HU	BC029112	64092	pENTR223.1 or pUC	1122
SAP130	CSB-CL887944HU1	BC017453	79595	pENTR223.1 or pUC	2061
SAP130	CSB-CL887944HU2	BC117255	79595	pUC	3147
SAP18	CSB-CL020695HU	BC030836	10284	pENTR223.1	462
SAP30BP	CSB-CL883403HU	BC007592	29115	pENTR223.1 or pUC	927
SAR1A	CSB-CL873630HU	BC003658	56681	pENTR223.1	597
SARS	CSB-CL020709HU1	BC000716	6301	pENTR223.1 or pUC	1545
SARS	CSB-CL020709HU2	BC009390	6301	pENTR223.1 or pUC	1545
SARS2	CSB-CL878836HU	BC042912	54938	pENTR223.1 or pUC	1557
SASS6	CSB-CL740911HU	BC101026	163786	pENTR223.1 or pUC	1473
SAT1	CSB-CL020717HU	BC002503	6303	pENTR223.1 or pUC	516
SAT2	CSB-CL836208HU	BC011751	112483	pENTR223.1 or pUC	513
SAV1	CSB-CL875672HU	BC020537	60485	pENTR223.1 or pUC	1152
SBDS	CSB-CL897481HU	BC065700	51119	pENTR223.1 or pUC	753
SC5DL	CSB-CL020737HU	BC012333	6309	pENTR223.1 or pUC	900
SCAMP1	CSB-CL020750HU1	BC015065	9522	pENTR223.1 or pUC	1017
SCAMP1	CSB-CL020750HU2	BC009787	9522	pENTR223.1 or pUC	474
SCAMP2	CSB-CL020751HU	BC001376	10066	pENTR223.1 or pUC	990



Name	Code	Accession No.	Gene ID	Vector	Length
SCAMP3	CSB-CL020752HU1	BC010505	10067	pENTR223.1 or pUC	966
SCAMP3	CSB-CL020752HU2	BC005135	10067	pENTR223.1 or pUC	1044
SCAMP3	CSB-CL020752HU3	BC000161	10067	pENTR223.1	1044
SCAMP4	CSB-CL856883HU	BC011747	113178	pENTR223.1 or pUC	690
SCAMP5	CSB-CL855032HU	BC024700	192683	pENTR223.1 or pUC	708
SCAND2	CSB-CL861977HU	BC011547	54581	pENTR223.1 or pUC	459
SCAP	CSB-CL622510HU	BC020987	22937	pENTR223.1 or pUC	2718
SCAPER	CSB-CL863150HU	BC015212	49855	pENTR223.1 or pUC	879
SCARA3	CSB-CL721489HU	BC060811	51435	pENTR223.1 or pUC	1401
SCARB1	CSB-CL845139HU1	BC022087	949	pENTR223.1 or pUC	1659
SCARB2	CSB-CL619859HU	BC021892	950	pENTR223.1 or pUC	1437
SCCPDH	CSB-CL854095HU	BC026185	51097	pENTR223.1	1290
SCD5	CSB-CL020803HU	BC004936	79966	pENTR223.1 or pUC	399
SCEL	CSB-CL020805HU2	BC020726	8796	pENTR223.1 or pUC	852
SCEL	CSB-CL020805HU1	BC047536	8796	pENTR223.1 or pUC	2007
SCFD1	CSB-CL840987HU	BC017734	23256	pENTR223.1 or pUC	1929
SCFD2	CSB-CL840978HU	BC032453	152579	pENTR223.1 or pUC	2055
SCG2	CSB-CL020808HU	BC022509	7857	pENTR223.1 or pUC	1854
SCG3	CSB-CL845166HU	BC014539	29106	pENTR223.1 or pUC	1407
SCG5	CSB-CL020810HU	BC005349	6447	pENTR223.1 or pUC	639
SCGB1A1	CSB-CL020811HU	BC004481	7356	pENTR223.1	276
SCGB1C1	CSB-CL837436HU	BC069287	147199	pENTR223.1 or pUC	288
SCGB1D1	CSB-CL020813HU	BC069289	10648	pENTR223.1 or pUC	273
SCGB1D4	CSB-CL751065HU	BC130639	404552	pENTR223.1 or pUC	252
SCGB2A1	CSB-CL020816HU	BC062218	4246	pENTR223.1 or pUC	288
SCGB2A2	CSB-CL622649HU1	BC067220	4250	pENTR223.1 or pUC	363
SCGB2A2	CSB-CL622649HU2	BC128252	4250	pENTR223.1 or pUC	282



Name	Code	Accession No.	Gene ID	Vector	Length
SCGB3A2	CSB-CL839392HU	BC024232	117156	pENTR223.1	282
SCGN	CSB-CL020821HU	BC000336	10590	pENTR223.1 or pUC	831
SCHIP1	CSB-CL878951HU	BC005947	29970	pENTR223.1 or pUC	735
SCLT1	CSB-CL020826HU	BC064428	132320	pENTR223.1 or pUC	240
SCMH1	CSB-CL846625HU1	BC009752	22955	pENTR223.1 or pUC	1983
SCML4	CSB-CL839782HU	BC033286	256380	pENTR223.1 or pUC	918
SCN2B	CSB-CL020838HU	BC036793	6327	pENTR223.1 or pUC	648
SCN3B	CSB-CL885762HU	BC117282	55800	pENTR223.1 or pUC	648
SCNM1	CSB-CL020847HU	BC000264	79005	pENTR223.1 or pUC	693
SCNN1G	CSB-CL020851HU	BC059391	6340	pENTR223.1	1950
SCO1	CSB-CL020852HU	BC015504	6341	pENTR223.1	906
SCO2	CSB-CL020853HU	BC102025	9997	pENTR223.1 or pUC	801
SCOC	CSB-CL020854HU	BC062684	60592	pENTR223.1 or pUC	366
SCP2	CSB-CL020856HU1	BC005911	6342	pENTR223.1 or pUC	432
SCP2	CSB-CL020856HU2	BC067108	6342	pENTR223.1 or pUC	969
SCPEP1	CSB-CL867189HU1	BC072405	59342	pENTR223.1 or pUC	1359
SCPEP1	CSB-CL867189HU2	BC010078	59342	pENTR223.1 or pUC	891
SCRG1	CSB-CL530448HU	BC017583	11341	pENTR223.1 or pUC	180
SCRN1	CSB-CL623649HU	BC040492	9805	pENTR223.1 or pUC	1245
SCRN2	CSB-CL856936HU1	BC017317	90507	pENTR223.1 or pUC	1278
SCRN2	CSB-CL856936HU2	BC010408	90507	pENTR223.1 or pUC	1278
SCRN3	CSB-CL607167HU1	BC031821	79634	pENTR223.1 or pUC	669
SCRN3	CSB-CL607167HU2	BC119684	79634	pENTR223.1 or pUC	1281
SCTR	CSB-CL020865HU	BC035757	6344	pENTR223.1 or pUC	1323
SCYL3	CSB-CL809026HU	BC014662	57147	pENTR223.1 or pUC	2067
SDC1	CSB-CL020888HU	BC008765	6382	pENTR223.1 or pUC	933
SDC2	CSB-CL020889HU	BC049836	6383	pENTR223.1 or pUC	606



Name	Code	Accession No.	Gene ID	Vector	Length
SDC3	CSB-CL020890HU	BC013974	9672	pENTR223.1	1113
SDC4	CSB-CL327046HU	BC030805	6385	pENTR223.1 or pUC	597
SDCBP	CSB-CL020893HU	BC113674	6386	pENTR223.1 or pUC	897
SDCBP2	CSB-CL872430HU	BC002727	27111	pENTR223.1 or pUC	879
SDCCAG3	CSB-CL020897HU	BC014515	10807	pENTR223.1 or pUC	1065
SDF2	CSB-CL020900HU	BC000500	6388	pENTR223.1 or pUC	636
SDF4	CSB-CL861120HU	BC006211	51150	pENTR223.1 or pUC	1089
SDHA	CSB-CL020903HU1	BC001380	6389	pENTR223.1	1995
SDHA	CSB-CL020903HU2	BC041016	6389	pENTR223.1 or pUC	1560
SDHC	CSB-CL859106HU	BC033626	6391	pENTR223.1 or pUC	510
SDHD	CSB-CL020909HU1	BC005263	6392	pENTR223.1	480
SDHD	CSB-CL020909HU2	BC012603	6392	pENTR223.1	480
SDPR	CSB-CL020919HU	BC016475	8436	pENTR223.1 or pUC	1278
SDR42E1	CSB-CL823883HU	BC019670	93517	pENTR223.1 or pUC	1151
SDS	CSB-CL020926HU	BC020750	10993	pENTR223.1 or pUC	657
SDSL	CSB-CL020927HU	BC009849	113675	pENTR223.1 or pUC	990
SEC11A	CSB-CL020931HU	BC014508	23478	pENTR223.1 or pUC	540
SEC11C	CSB-CL871609HU	BC009703	90701	pENTR223.1 or pUC	579
SEC14L3	CSB-CL887012HU	BC101004	266629	pENTR223.1 or pUC	1203
SEC14L4	CSB-CL883374HU	BC139912	284904	pENTR223.1 or pUC	1083
SEC16B	CSB-CL853439HU	BC009106	89866	pENTR223.1 or pUC	1878
SEC22A	CSB-CL856954HU	BC007122	26984	pENTR223.1 or pUC	924
SEC22B	CSB-CL020945HU	BC001364	9554	pENTR223.1 or pUC	648
SEC22C	CSB-CL883585HU1	BC006178	9117	pENTR223.1 or pUC	912
SEC22C	CSB-CL883585HU2	BC018437	9117	pENTR223.1 or pUC	753
SEC23B	CSB-CL621874HU1	BC005404	10483	pENTR223.1 or pUC	2304
SEC23B	CSB-CL621874HU2	BC005032	10483	pENTR223.1 or pUC	2304



Name	Code	Accession No.	Gene ID	Vector	Length
SEC23IP	CSB-CL896767HU	BC063800	11196	pUC	3003
SEC24C	CSB-CL020952HU	BC018928	9632	pUC	3285
SEC24D	CSB-CL020953HU	BC035761	9871	pUC	3102
SEC31A	CSB-CL020954HU1	BC047883	22872	pENTR223.1 or pUC	1530
SEC61A1	CSB-CL020956HU	BC002951	29927	pENTR223.1 or pUC	1272
SEC61A2	CSB-CL864009HU	BC026179	55176	pENTR223.1 or pUC	1257
SEC61G	CSB-CL020959HU	BC009480	23480	pENTR223.1	207
SECISBP2	CSB-CL853506HU1	BC001189	79048	pENTR223.1 or pUC	255
SECTM1	CSB-CL819898HU	BC017716	6398	pENTR223.1 or pUC	747
SELE	CSB-CL020975HU	BC131551	6401	pUC	1833
SELENBP1	CSB-CL618766HU	BC009084	8991	pENTR223.1	1419
SELL	CSB-CL020977HU	BC020758	6402	pENTR223.1	1128
SELM	CSB-CL837868HU	BC013421	140606	pENTR223.1 or pUC	438
SELPLG	CSB-CL621767HU	BC029782	6404	pENTR223.1 or pUC	1209
SELT	CSB-CL352886HU1	BC036738	51714	pENTR223.1 or pUC	492
SELT	CSB-CL352886HU2	BC006012	51714	pENTR223.1 or pUC	588
SELT	CSB-CL352886HU3	BC009611	51714	pENTR223.1 or pUC	588
SELV	CSB-CL351448HU	BC117331	348303	pENTR223.1 or pUC	1041
SEMA4A	CSB-CL884461HU	BC020974	64218	pENTR223.1	2286
SEMA4B	CSB-CL868280HU	BC126438	10509	pENTR223.1 or pUC	2514
SEMA4G	CSB-CL878886HU1	BC020960	57715	pENTR223.1 or pUC	384
SEMA5A	CSB-CL613413HU	BC115696	9037	pUC	3225
SEMA6C	CSB-CL887974HU	BC114623	10500	pENTR223.1 or pUC	1614
SEMG1	CSB-CL021001HU1	BC007096	6406	pENTR223.1 or pUC	1209
SEMG1	CSB-CL021001HU2	BC055416	6406	pENTR223.1	1209
SENP5	CSB-CL846632HU	BC030705	205564	pENTR223.1 or pUC	2268
SENP8	CSB-CL822251HU	BC031411	123228	pENTR223.1	639



Name	Code	Accession No.	Gene ID	Vector	Length
SEPHS1	CSB-CL021015HU1	BC000941	22929	pENTR223.1 or pUC	1179
SEPHS1	CSB-CL021015HU2	BC063816	22929	pENTR223.1 or pUC	1179
SEPP1	CSB-CL021018HU	BC058919	6414	pENTR223.1 or pUC	1146
SEPSECS	CSB-CL888032HU1	BC126213	51091	pENTR223.1 or pUC	1326
SEPW1	CSB-CL021034HU	BC000581	6415	pENTR223.1 or pUC	264
SERBP1	CSB-CL839849HU1	BC017449	26135	pENTR223.1 or pUC	1164
SERBP1	CSB-CL839849HU2	BC020555	26135	pENTR223.1 or pUC	1209
SERBP1	CSB-CL839849HU3	BC002488	26135	pENTR223.1 or pUC	1209
SERBP1	CSB-CL839849HU4	BC003049	26135	pENTR223.1 or pUC	1227
SERF1A	CSB-CL021040HU	BC035932	8293	pENTR223.1 or pUC	333
SERF2	CSB-CL021042HU	BC008214	10169	pENTR223.1 or pUC	297
SERGEF	CSB-CL880080HU	BC065375	26297	pENTR223.1 or pUC	1377
SERHL2	CSB-CL862016HU	BC119650	253190	pENTR223.1 or pUC	945
SERINC1	CSB-CL021046HU1	BC033029	57515	pENTR223.1 or pUC	1362
SERINC1	CSB-CL021046HU2	BC028607	57515	pENTR223.1 or pUC	1362
SERINC2	CSB-CL021047HU1	BC017085	347735	pENTR223.1 or pUC	321
SERP1	CSB-CL021051HU	BC112364	27230	pENTR223.1 or pUC	201
SERP2	CSB-CL818718HU	BC029067	387923	pENTR223.1 or pUC	198
SERPINA1	CSB-CL021053HU	BC011991	5265	pENTR223.1	1257
SERPINA10	CSB-CL891944HU	BC022261	51156	pENTR223.1 or pUC	1335
SERPINA12	CSB-CL812878HU	BC040857	145264	pENTR223.1 or pUC	1245
SERPINA3	CSB-CL021059HU1	BC003559	12	pENTR223.1 or pUC	1272
SERPINA3	CSB-CL021059HU2	BC034554	12	pENTR223.1 or pUC	1272
SERPINA4	CSB-CL021060HU	BC014992	5267	pENTR223.1 or pUC	1284
SERPINA5	CSB-CL021061HU	BC008915	5104	pENTR223.1 or pUC	1221
SERPINA6	CSB-CL021062HU	BC056259	866	pENTR223.1 or pUC	1218
SERPINA7	CSB-CL021063HU	BC020747	6906	pENTR223.1 or pUC	1248



Name	Code	Accession No.	Gene ID	Vector	Length
SERPINB1	CSB-CL021065HU	BC009015	1992	pENTR223.1 or pUC	1140
SERPINB10	CSB-CL021066HU	BC096217	5273	pENTR223.1 or pUC	1194
SERPINB11	CSB-CL856997HU1	BC069596	89778	pENTR223.1 or pUC	1179
SERPINB11	CSB-CL856997HU2	BC130370	89778	pENTR223.1 or pUC	837
SERPINB12	CSB-CL822276HU	BC103885	89777	pENTR223.1 or pUC	1278
SERPINB2	CSB-CL021070HU	BC012609	5055	pENTR223.1 or pUC	1248
SERPINB3	CSB-CL021071HU	BC005224	6317	pENTR223.1 or pUC	1173
SERPINB4	CSB-CL021072HU	BC017401	6318	pENTR223.1 or pUC	1173
SERPINB5	CSB-CL021073HU	BC020713	5268	pENTR223.1 or pUC	696
SERPINB6	CSB-CL021074HU	BC001394	5269	pENTR223.1 or pUC	1131
SERPINB7	CSB-CL021075HU	BC106743	8710	pENTR223.1 or pUC	1143
SERPINB8	CSB-CL021076HU	BC034528	5271	pENTR223.1 or pUC	729
SERPINB9	CSB-CL021077HU	BC002538	5272	pENTR223.1 or pUC	1131
SERPINC1	CSB-CL021079HU	BC022309	462	pENTR223.1	780
SERPIND1	CSB-CL021080HU	BC035028	3053	pENTR223.1 or pUC	1500
SERPINE1	CSB-CL021081HU	BC010860	5054	pENTR223.1 or pUC	1209
SERPINE2	CSB-CL021082HU1	BC015663	5270	pENTR223.1 or pUC	1197
SERPINE2	CSB-CL021082HU2	BC042628	5270	pENTR223.1 or pUC	1194
SERPINF1	CSB-CL021084HU1	BC000522	5176	pENTR223.1 or pUC	1257
SERPINF1	CSB-CL021084HU2	BC013984	5176	pENTR223.1 or pUC	1257
SERPING1	CSB-CL021086HU	BC011171	710	pENTR223.1	1503
SERPINI1	CSB-CL859934HU	BC018043	5274	pENTR223.1 or pUC	1233
SERPINI2	CSB-CL021090HU	BC027859	5276	pENTR223.1 or pUC	1218
SERTAD1	CSB-CL883406HU	BC002670	29950	pENTR223.1 or pUC	711
SERTAD3	CSB-CL892129HU	BC014061	29946	pENTR223.1 or pUC	591
SERTAD4	CSB-CL873654HU	BC012083	56256	pENTR223.1 or pUC	1071
SESN3	CSB-CL021097HU	BC017296	143686	pENTR223.1 or pUC	966



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SETBP1	CSB-CL896935HU	BC062338	26040	pENTR223.1	729
SETD2	CSB-CL871619HU	BC117162	29072	pUC	6186
SETD3	CSB-CL769772HU1	BC009054	84193	pENTR223.1 or pUC	645
SETD3	CSB-CL769772HU2	BC066931	84193	pENTR223.1 or pUC	879
SETD4	CSB-CL885736HU	BC002898	54093	pENTR223.1 or pUC	924
SETD5	CSB-CL871633HU	BC020956	55209	pENTR223.1 or pUC	2775
SETD7	CSB-CL840975HU	BC121055	80854	pENTR223.1 or pUC	1101
SETDB1	CSB-CL619960HU1	BC009362	9869	pENTR223.1 or pUC	1194
SETDB1	CSB-CL619960HU2	BC028671	9869	pUC	3873
SETDB2	CSB-CL822307HU	BC047434	83852	pENTR223.1 or pUC	2124
SETMAR	CSB-CL703613HU	BC011635	6419	pENTR223.1 or pUC	1059
SETX	CSB-CL800097HU	BC032600	23064	pENTR223.1	2487
SF3A3	CSB-CL619637HU1	BC002395	10946	pENTR223.1 or pUC	1506
SF3A3	CSB-CL619637HU2	BC011523	10946	pENTR223.1 or pUC	1506
SF3B14	CSB-CL897543HU	BC015463	51639	pENTR223.1 or pUC	378
SF3B2	CSB-CL615687HU	BC007610	10992	pENTR223.1 or pUC	1911
SF3B3	CSB-CL614890HU1	BC000463	23450	pENTR223.1 or pUC	1200
SF3B3	CSB-CL614890HU2	BC009780	23450	pENTR223.1 or pUC	828
SF3B4	CSB-CL624024HU	BC004273	10262	pENTR223.1 or pUC	1275
SFI1	CSB-CL021132HU1	BC033613	9814	pENTR223.1 or pUC	885
SFN	CSB-CL021135HU1	BC000329	2810	pENTR223.1 or pUC	747
SFRP2	CSB-CL021139HU	BC008666	6423	pENTR223.1 or pUC	888
SFRP4	CSB-CL021140HU	BC058911	6424	pENTR223.1	1041
SFT2D2	CSB-CL021164HU	BC068098	375035	pENTR223.1 or pUC	483
SFT2D3	CSB-CL682329HU	BC006808	84826	pENTR223.1 or pUC	117
SFTPb	CSB-CL021173HU	BC032785	6439	pUC	1146
SFTPC	CSB-CL021174HU	BC005913	6440	pENTR223.1 or pUC	594



Name	Code	Accession No.	Gene ID	Vector	Length
SFXN1	CSB-CL867179HU1	BC020517	94081	pENTR223.1 or pUC	711
SFXN1	CSB-CL867179HU2	BC063241	94081	pENTR223.1 or pUC	969
SFXN2	CSB-CL853470HU	BC022091	118980	pENTR223.1 or pUC	969
SFXN4	CSB-CL744046HU	BC063562	119559	pENTR223.1 or pUC	1014
SFXN5	CSB-CL819464HU	BC101312	94097	pENTR223.1 or pUC	1023
SGCA	CSB-CL623086HU	BC025702	6442	pENTR223.1 or pUC	1164
SGCD	CSB-CL835688HU	BC020740	6444	pENTR223.1 or pUC	873
SGCZ	CSB-CL836250HU	BC125037	137868	pENTR223.1 or pUC	798
SGK1	CSB-CL021189HU	BC001263	6446	pENTR223.1	1296
SGK196	CSB-CL863985HU	BC113703	84197	pENTR223.1 or pUC	1053
SGK3	CSB-CL839296HU	BC015326	23678	pENTR223.1 or pUC	1491
SGMS2	CSB-CL854159HU	BC028705	166929	pENTR223.1 or pUC	1098
SGSM3	CSB-CL021203HU	BC008078	27352	pENTR223.1 or pUC	2250
SGTA	CSB-CL021204HU	BC000390	6449	pENTR223.1 or pUC	942
SGTB	CSB-CL846614HU	BC012044	54557	pENTR223.1 or pUC	915
SH2B1	CSB-CL868300HU	BC010704	25970	pENTR223.1 or pUC	1281
SH2B3	CSB-CL892371HU	BC015786	10019	pENTR223.1 or pUC	156
SH2D1A	CSB-CL021209HU	BC020732	4068	pENTR223.1	387
SH2D1B	CSB-CL021210HU1	BC066595	117157	pENTR223.1	234
SH2D1B	CSB-CL021210HU2	BC022407	117157	pENTR223.1 or pUC	399
SH2D4A	CSB-CL862033HU1	BC014525	63898	pENTR223.1 or pUC	819
SH2D4A	CSB-CL862033HU2	BC082982	63898	pENTR223.1 or pUC	1365
SH3BGR	CSB-CL021219HU	BC006371	6450	pENTR223.1 or pUC	720
SH3BGRL	CSB-CL021220HU	BC016709	6451	pENTR223.1 or pUC	345
SH3BGRL2	CSB-CL892124HU1	BC052987	83699	pENTR223.1 or pUC	324
SH3BGRL2	CSB-CL892124HU2	BC040489	83699	pENTR223.1 or pUC	324
SH3BGRL2	CSB-CL892124HU3	BC070059	83699	pENTR223.1 or pUC	324



Name	Code	Accession No.	Gene ID	Vector	Length
SH3BGRL3	CSB-CL880952HU	BC030135	83442	pENTR223.1 or pUC	282
SH3BP5	CSB-CL021226HU	BC010123	9467	pENTR223.1 or pUC	1278
SH3D19	CSB-CL711356HU	BC108890	152503	pENTR223.1 or pUC	2295
SH3GL1	CSB-CL859949HU	BC001270	6455	pENTR223.1 or pUC	1107
SH3GL2	CSB-CL860785HU	BC032825	6456	pENTR223.1	840
SH3GL3	CSB-CL860359HU	BC042864	6457	pENTR223.1 or pUC	867
SH3GLB2	CSB-CL868296HU	BC014635	56904	pENTR223.1 or pUC	1188
SH3KBP1	CSB-CL842640HU	BC015806	30011	pENTR223.1 or pUC	1998
SH3RF2	CSB-CL844731HU1	BC073914	153769	pENTR223.1 or pUC	663
SH3RF2	CSB-CL844731HU2	BC125106	153769	pENTR223.1 or pUC	2190
SH3YL1	CSB-CL853429HU1	BC030778	26751	pENTR223.1 or pUC	345
SH3YL1	CSB-CL853429HU2	BC008375	26751	pENTR223.1 or pUC	972
SH3YL1	CSB-CL853429HU3	BC008374	26751	pENTR223.1 or pUC	1029
SHC1	CSB-CL021253HU	BC014158	6464	pENTR223.1	1425
SHC3	CSB-CL838779HU	BC026314	53358	pENTR223.1 or pUC	1785
SHC4	CSB-CL747568HU	BC033907	399694	pENTR223.1 or pUC	1893
SHCBP1	CSB-CL847699HU	BC030699	79801	pENTR223.1 or pUC	2019
SHD	CSB-CL850314HU	BC007206	56961	pENTR223.1 or pUC	1023
SHFM1	CSB-CL021263HU	BC032782	7979	pENTR223.1	213
SHISA3	CSB-CL021268HU	BC127690	152573	pENTR223.1 or pUC	717
SHISA5	CSB-CL818677HU	BC001463	51246	pENTR223.1 or pUC	414
SHMT1	CSB-CL021272HU1	BC007979	6470	pENTR223.1 or pUC	1452
SHMT1	CSB-CL021272HU2	BC022874	6470	pENTR223.1 or pUC	1335
SHMT2	CSB-CL021274HU2	BC032584	6472	pENTR223.1	1485
SHMT2	CSB-CL021274HU1	BC011911	6472	pENTR223.1	1515
SHMT2	CSB-CL021274HU3	BC013677	6472	pENTR223.1 or pUC	1515
SHOC2	CSB-CL891468HU	BC050445	8036	pENTR223.1 or pUC	1749



Name	Code	Accession No.	Gene ID	Vector	Length
SIAE	CSB-CL864013HU2	BC068450	54414	pENTR223.1 or pUC	1572
SIAH1	CSB-CL818230HU1	BC035562	6477	pENTR223.1 or pUC	849
SIAH1	CSB-CL818230HU2	BC042550	6477	pENTR223.1 or pUC	942
SIGIRR	CSB-CL743558HU	BC003591	59307	pENTR223.1 or pUC	1233
SIGLEC12	CSB-CL836278HU	BC035809	89858	pENTR223.1 or pUC	1788
SIGLEC6	CSB-CL021300HU	BC035359	946	pENTR223.1	1314
SIL1	CSB-CL875645HU	BC011568	64374	pENTR223.1 or pUC	1386
SIM2	CSB-CL621763HU	BC110444	6493	pENTR223.1 or pUC	1713
SIN3A	CSB-CL836303HU	BC066364	25942	pENTR223.1	471
SIPA1L2	CSB-CL882179HU	BC013119	57568	pENTR223.1 or pUC	1599
SIRPD	CSB-CL021337HU	BC033502	128646	pENTR223.1	594
SIRPG	CSB-CL021338HU1	BC064532	55423	pENTR223.1 or pUC	1164
SIRPG	CSB-CL021338HU2	BC020629	55423	pENTR223.1 or pUC	414
SIRT1	CSB-CL822202HU	BC012499	23411	pENTR223.1 or pUC	1668
SIRT2	CSB-CL812889HU	BC003012	22933	pENTR223.1	1059
SIRT4	CSB-CL897587HU	BC109319	23409	pENTR223.1 or pUC	945
SIVA1	CSB-CL021347HU	BC034562	10572	pENTR223.1 or pUC	333
SIX1	CSB-CL618986HU	BC008874	6495	pENTR223.1 or pUC	855
SKAP1	CSB-CL769799HU	BC047870	8631	pENTR223.1 or pUC	1077
SKAP2	CSB-CL021355HU	BC002893	8935	pENTR223.1 or pUC	1080
SKP1	CSB-CL021360HU1	BC009839	6500	pENTR223.1 or pUC	492
SKP1	CSB-CL021360HU2	BC025673	6500	pENTR223.1 or pUC	483
SKP2	CSB-CL613392HU	BC001441	6502	pENTR223.1 or pUC	1233
SLA	CSB-CL613387HU	BC007042	6503	pENTR223.1 or pUC	831
SLAIN1	CSB-CL850864HU	BC045177	122060	pENTR223.1 or pUC	918
SLAMF1	CSB-CL614403HU1	BC012602	6504	pENTR223.1 or pUC	435
SLAMF1	CSB-CL614403HU2	BC067847	6504	pENTR223.1 or pUC	447



Name	Code	Accession No.	Gene ID	Vector	Length
SLAMF1	CSB-CL614403HU3	BC132792	6504	pENTR223.1	1008
SLAMF6	CSB-CL021368HU	BC114495	114836	pENTR223.1 or pUC	999
SLAMF7	CSB-CL021369HU	BC027867	57823	pENTR223.1 or pUC	891
SLAMF8	CSB-CL021370HU	BC109194	56833	pENTR223.1 or pUC	858
SLC10A1	CSB-CL623947HU	BC069799	6554	pENTR223.1	1050
SLC10A2	CSB-CL622519HU	BC130521	6555	pENTR223.1 or pUC	1047
SLC10A3	CSB-CL021375HU	BC004966	8273	pENTR223.1	1347
SLC10A6	CSB-CL665974HU	BC107051	345274	pENTR223.1 or pUC	1134
SLC10A7	CSB-CL604964HU1	BC023288	84068	pENTR223.1 or pUC	195
SLC10A7	CSB-CL604964HU2	BC063471	84068	pENTR223.1	480
SLC12A1	CSB-CL618794HU	BC040138	6557	pENTR223.1 or pUC	1293
SLC12A4	CSB-CL892363HU	BC021193	6560	pUC	3258
SLC12A6	CSB-CL887049HU1	BC126243	9990	pUC	3300
SLC12A8	CSB-CL021389HU1	BC020506	84561	pENTR223.1 or pUC	927
SLC12A9	CSB-CL866307HU	BC000154	56996	pENTR223.1 or pUC	1617
SLC13A2	CSB-CL618762HU	BC096277	9058	pENTR223.1 or pUC	1779
SLC13A4	CSB-CL891949HU	BC030689	26266	pENTR223.1 or pUC	1881
SLC16A1	CSB-CL021403HU	BC045664	6566	pENTR223.1 or pUC	1293
SLC16A10	CSB-CL851563HU	BC017968	117247	pENTR223.1 or pUC	606
SLC16A14	CSB-CL755914HU	BC065524	151473	pENTR223.1 or pUC	1533
SLC16A6	CSB-CL021413HU	BC064832	9120	pENTR223.1 or pUC	1572
SLC16A7	CSB-CL021414HU	BC030693	9194	pENTR223.1 or pUC	1437
SLC17A3	CSB-CL021419HU	BC017952	10786	pENTR223.1 or pUC	1263
SLC17A4	CSB-CL897087HU	BC109208	10050	pENTR223.1 or pUC	1332
SLC17A5	CSB-CL889090HU	BC020961	26503	pENTR223.1 or pUC	1488
SLC18A1	CSB-CL021426HU1	BC009387	6570	pENTR223.1 or pUC	1158
SLC18A1	CSB-CL021426HU2	BC006317	6570	pENTR223.1	1482



Name	Code	Accession No.	Gene ID	Vector	Length
SLC18A2	CSB-CL021427HU	BC108928	6571	pENTR223.1 or pUC	1545
SLC19A3	CSB-CL866333HU	BC032014	80704	pENTR223.1 or pUC	1491
SLC1A6	CSB-CL021437HU	BC028721	6511	pENTR223.1 or pUC	939
SLC1A7	CSB-CL021438HU1	BC000651	6512	pENTR223.1 or pUC	477
SLC1A7	CSB-CL021438HU2	BC012119	6512	pENTR223.1 or pUC	1683
SLC20A1	CSB-CL823882HU	BC019944	6574	pENTR223.1 or pUC	2040
SLC20A2	CSB-CL600854HU	BC028600	6575	pENTR223.1 or pUC	1959
SLC22A11	CSB-CL882097HU	BC034384	55867	pENTR223.1 or pUC	1653
SLC22A14	CSB-CL897082HU1	BC126482	9389	pENTR223.1 or pUC	1785
SLC22A14	CSB-CL897082HU2	BC130543	9389	pENTR223.1 or pUC	1785
SLC22A15	CSB-CL810312HU	BC026358	55356	pENTR223.1 or pUC	1608
SLC22A17	CSB-CL823881HU	BC020565	51310	pENTR223.1 or pUC	1617
SLC22A18AS	CSB-CL847610HU	BC030237	5003	pENTR223.1 or pUC	453
SLC22A2	CSB-CL021453HU	BC030978	6582	pENTR223.1 or pUC	729
SLC22A23	CSB-CL021455HU1	BC022217	63027	pENTR223.1 or pUC	462
SLC22A23	CSB-CL021455HU2	BC128580	63027	pENTR223.1 or pUC	1218
SLC22A24	CSB-CL850799HU	BC034394	283238	pENTR223.1 or pUC	969
SLC22A6	CSB-CL700197HU	BC033682	9356	pENTR223.1 or pUC	1653
SLC22A7	CSB-CL897308HU1	BC033805	10864	pENTR223.1 or pUC	1647
SLC22A9	CSB-CL811607HU1	BC022379	114571	pENTR223.1 or pUC	717
SLC23A1	CSB-CL887038HU	BC019225	9963	pENTR223.1 or pUC	780
SLC23A2	CSB-CL866221HU	BC013112	9962	pENTR223.1 or pUC	1278
SLC23A3	CSB-CL761358HU	BC030243	151295	pENTR223.1 or pUC	1479
SLC24A5	CSB-CL754654HU	BC113628	283652	pENTR223.1 or pUC	1503
SLC25A1	CSB-CL021475HU	BC004980	6576	pENTR223.1 or pUC	936
SLC25A10	CSB-CL883371HU1	BC007355	1468	pENTR223.1 or pUC	864
SLC25A10	CSB-CL883371HU2	BC015797	1468	pENTR223.1 or pUC	891



Name	Code	Accession No.	Gene ID	Vector	Length
SLC25A11	CSB-CL021477HU	BC006508	8402	pENTR223.1 or pUC	945
SLC25A13	CSB-CL892444HU	BC006566	10165	pENTR223.1 or pUC	2028
SLC25A14	CSB-CL021480HU	BC119666	9016	pENTR223.1 or pUC	978
SLC25A15	CSB-CL897578HU	BC002702	10166	pENTR223.1 or pUC	906
SLC25A16	CSB-CL021483HU2	BC001407	8034	pENTR223.1 or pUC	264
SLC25A17	CSB-CL021484HU	BC005957	10478	pENTR223.1 or pUC	924
SLC25A18	CSB-CL880945HU	BC031644	83733	pENTR223.1 or pUC	948
SLC25A2	CSB-CL883620HU	BC100935	83884	pENTR223.1 or pUC	906
SLC25A20	CSB-CL021488HU	BC001689	788	pENTR223.1 or pUC	906
SLC25A21	CSB-CL883581HU	BC113365	89874	pENTR223.1 or pUC	900
SLC25A23	CSB-CL871580HU	BC001656	79085	pENTR223.1	1449
SLC25A25	CSB-CL760850HU	BC103933	114789	pENTR223.1 or pUC	1410
SLC25A26	CSB-CL761690HU	BC012852	115286	pENTR223.1 or pUC	561
SLC25A27	CSB-CL021496HU	BC033091	9481	pENTR223.1	738
SLC25A30	CSB-CL732909HU	BC132739	253512	pENTR223.1 or pUC	876
SLC25A31	CSB-CL861982HU	BC022032	83447	pENTR223.1 or pUC	948
SLC25A32	CSB-CL872477HU	BC021893	81034	pENTR223.1 or pUC	948
SLC25A33	CSB-CL874800HU	BC004991	84275	pENTR223.1 or pUC	966
SLC25A35	CSB-CL668593HU	BC101330	399512	pENTR223.1 or pUC	876
SLC25A36	CSB-CL853398HU	BC014064	55186	pENTR223.1 or pUC	936
SLC25A37	CSB-CL873700HU	BC132799	51312	pENTR223.1 or pUC	1017
SLC25A38	CSB-CL846607HU	BC013194	54977	pENTR223.1 or pUC	915
SLC25A39	CSB-CL887175HU1	BC009330	51629	pENTR223.1 or pUC	1056
SLC25A39	CSB-CL887175HU2	BC001398	51629	pENTR223.1 or pUC	1056
SLC25A4	CSB-CL021510HU	BC008664	291	pENTR223.1 or pUC	897
SLC25A40	CSB-CL840561HU	BC027322	55972	pENTR223.1 or pUC	1017
SLC25A41	CSB-CL818710HU	BC031671	284427	pENTR223.1 or pUC	756



Name	Code	Accession No.	Gene ID	Vector	Length
SLC25A44	CSB-CL853427HU	BC008843	9673	pENTR223.1 or pUC	945
SLC25A45	CSB-CL822700HU1	BC036869	283130	pENTR223.1	741
SLC25A45	CSB-CL822700HU2	BC041100	283130	pENTR223.1	1008
SLC25A46	CSB-CL856895HU	BC017169	91137	pENTR223.1 or pUC	1257
SLC25A5	CSB-CL021518HU	BC056160	292	pENTR223.1 or pUC	897
SLC25A6	CSB-CL021520HU1	BC031912	293	pENTR223.1	897
SLC25A6	CSB-CL021520HU2	BC014775	293	pENTR223.1	897
SLC25A6	CSB-CL021520HU3	BC007295	293	pENTR223.1	897
SLC26A1	CSB-CL880953HU	BC015517	10861	pENTR223.1 or pUC	675
SLC26A2	CSB-CL021525HU	BC059390	1836	pENTR223.1 or pUC	2220
SLC26A3	CSB-CL021526HU	BC025671	1811	pENTR223.1 or pUC	2295
SLC26A5	CSB-CL021528HU	BC100832	375611	pENTR223.1 or pUC	1422
SLC26A8	CSB-CL853496HU	BC025408	116369	pENTR223.1 or pUC	2598
SLC27A2	CSB-CL021534HU	BC057770	11001	pENTR223.1 or pUC	1704
SLC27A4	CSB-CL761274HU	BC009959	10999	pENTR223.1 or pUC	714
SLC27A6	CSB-CL897533HU	BC041945	28965	pENTR223.1 or pUC	1860
SLC28A1	CSB-CL021539HU	BC126204	9154	pENTR223.1 or pUC	1950
SLC29A1	CSB-CL857875HU	BC001382	2030	pENTR223.1	1371
SLC29A3	CSB-CL880146HU	BC120996	55315	pENTR223.1 or pUC	1428
SLC2A11	CSB-CL887168HU	BC100809	66035	pENTR223.1 or pUC	1491
SLC2A12	CSB-CL848405HU	BC070149	154091	pENTR223.1 or pUC	1854
SLC2A13	CSB-CL850416HU2	BC117117	114134	pENTR223.1 or pUC	1890
SLC2A2	CSB-CL021552HU	BC060041	6514	pENTR223.1	1056
SLC2A3	CSB-CL021553HU	BC039196	6515	pENTR223.1	1491
SLC2A4	CSB-CL021557HU1	BC069615	6517	pENTR223.1 or pUC	1530
SLC2A5	CSB-CL021559HU1	BC001692	6518	pENTR223.1	1506
SLC2A9	CSB-CL873638HU1	BC018897	56606	pENTR223.1 or pUC	1536



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SLC30A2	CSB-CL874791HU	BC006251	7780	pENTR223.1 or pUC	972
SLC30A3	CSB-CL859940HU	BC028358	7781	pENTR223.1 or pUC	1167
SLC30A4	CSB-CL021569HU	BC026089	7782	pENTR223.1 or pUC	1290
SLC30A5	CSB-CL823441HU	BC000808	64924	pENTR223.1 or pUC	357
SLC30A6	CSB-CL744010HU	BC032525	55676	pENTR223.1 or pUC	651
SLC30A8	CSB-CL818247HU	BC126446	169026	pENTR223.1	963
SLC31A1	CSB-CL021575HU	BC013611	1317	pENTR223.1 or pUC	573
SLC31A2	CSB-CL021577HU	BC026252	1318	pENTR223.1 or pUC	432
SLC33A1	CSB-CL021579HU	BC014416	9197	pENTR223.1 or pUC	1650
SLC35A2	CSB-CL021584HU	BC035747	7355	pENTR223.1 or pUC	729
SLC35A3	CSB-CL896488HU	BC005136	23443	pENTR223.1 or pUC	663
SLC35A4	CSB-CL839327HU	BC009906	113829	pENTR223.1 or pUC	975
SLC35A5	CSB-CL863111HU1	BC013046	55032	pENTR223.1 or pUC	1275
SLC35A5	CSB-CL863111HU2	BC010307	55032	pENTR223.1 or pUC	1275
SLC35A5	CSB-CL863111HU3	BC005207	55032	pENTR223.1 or pUC	1275
SLC35B1	CSB-CL021588HU	BC011888	10237	pENTR223.1 or pUC	969
SLC35B2	CSB-CL855039HU	BC024288	347734	pENTR223.1 or pUC	1299
SLC35B3	CSB-CL875648HU	BC006973	51000	pENTR223.1 or pUC	1206
SLC35B4	CSB-CL853373HU	BC008413	84912	pENTR223.1 or pUC	996
SLC35C1	CSB-CL839285HU	BC001427	55343	pENTR223.1 or pUC	1095
SLC35C2	CSB-CL868288HU1	BC014191	51006	pENTR223.1 or pUC	1035
SLC35C2	CSB-CL868288HU2	BC021138	51006	pENTR223.1 or pUC	1098
SLC35D2	CSB-CL765728HU	BC113579	11046	pENTR223.1 or pUC	1014
SLC35E2	CSB-CL316092HU	BC112289	9906	pENTR223.1 or pUC	801
SLC35E3	CSB-CL772033HU	BC008412	55508	pENTR223.1 or pUC	942
SLC35F1	CSB-CL725563HU	BC114925	222553	pENTR223.1 or pUC	1227
SLC35F2	CSB-CL809010HU	BC039195	54733	pENTR223.1 or pUC	1125



Name	Code	Accession No.	Gene ID	Vector	Length
SLC35F5	CSB-CL840985HU	BC018537	80255	pENTR223.1 or pUC	1572
SLC36A2	CSB-CL672077HU	BC101101	153201	pENTR223.1 or pUC	1452
SLC36A3	CSB-CL674326HU	BC101092	285641	pENTR223.1 or pUC	1536
SLC36A4	CSB-CL761571HU	BC047374	120103	pENTR223.1 or pUC	1515
SLC37A2	CSB-CL819478HU1	BC062990	219855	pENTR223.1	381
SLC37A2	CSB-CL819478HU2	BC051314	219855	pENTR223.1 or pUC	1518
SLC37A4	CSB-CL021613HU	BC014663	2542	pENTR223.1 or pUC	1290
SLC38A1	CSB-CL880955HU	BC010620	81539	pENTR223.1 or pUC	1464
SLC38A2	CSB-CL847210HU	BC040342	54407	pENTR223.1 or pUC	1521
SLC38A4	CSB-CL853370HU	BC069819	55089	pENTR223.1 or pUC	1644
SLC38A5	CSB-CL837853HU	BC019246	92745	pENTR223.1	1419
SLC38A6	CSB-CL818274HU	BC110378	145389	pENTR223.1 or pUC	1371
SLC38A7	CSB-CL889118HU	BC001961	55238	pENTR223.1 or pUC	1389
SLC39A1	CSB-CL885760HU1	BC003152	27173	pENTR223.1 or pUC	975
SLC39A1	CSB-CL885760HU2	BC002563	27173	pENTR223.1 or pUC	975
SLC39A11	CSB-CL854023HU	BC035631	201266	pENTR223.1 or pUC	1008
SLC39A12	CSB-CL706511HU2	BC047635	221074	pENTR223.1 or pUC	1215
SLC39A12	CSB-CL706511HU1	BC117323	221074	pENTR223.1 or pUC	2076
SLC39A13	CSB-CL850305HU1	BC019016	91252	pENTR223.1 or pUC	1095
SLC39A13	CSB-CL850305HU2	BC008853	91252	pENTR223.1 or pUC	1116
SLC39A2	CSB-CL873606HU	BC096723	29986	pENTR223.1 or pUC	930
SLC39A3	CSB-CL871564HU	BC020571	29985	pENTR223.1 or pUC	318
SLC39A6	CSB-CL621669HU	BC039498	25800	pENTR223.1 or pUC	1302
SLC39A7	CSB-CL835673HU	BC000645	7922	pENTR223.1 or pUC	1410
SLC39A8	CSB-CL863180HU	BC012125	64116	pENTR223.1 or pUC	1383
SLC39A9	CSB-CL882108HU	BC064383	55334	pENTR223.1 or pUC	924
SLC40A1	CSB-CL865089HU1	BC037733	30061	pENTR223.1 or pUC	1716



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SLC40A1	CSB-CL865089HU2	BC035893	30061	pENTR223.1 or pUC	1716
SLC41A2	CSB-CL846648HU	BC036734	84102	pENTR223.1 or pUC	1473
SLC41A3	CSB-CL822221HU3	BC035753	54946	pENTR223.1 or pUC	1494
SLC41A3	CSB-CL822221HU1	BC009039	54946	pENTR223.1 or pUC	1524
SLC41A3	CSB-CL822221HU2	BC028241	54946	pENTR223.1 or pUC	1503
SLC43A1	CSB-CL021645HU	BC001639	8501	pENTR223.1 or pUC	1680
SLC43A2	CSB-CL818693HU2	BC071859	124935	pENTR223.1 or pUC	1470
SLC43A2	CSB-CL818693HU1	BC027923	124935	pENTR223.1 or pUC	1710
SLC43A3	CSB-CL854092HU	BC003163	29015	pENTR223.1 or pUC	1476
SLC44A4	CSB-CL681506HU	BC014659	80736	pENTR223.1 or pUC	2130
SLC44A5	CSB-CL822761HU1	BC028743	204962	pENTR223.1 or pUC	2160
SLC44A5	CSB-CL822761HU2	BC051740	204962	pENTR223.1 or pUC	2028
SLC45A2	CSB-CL890941HU1	BC003597	51151	pENTR223.1 or pUC	732
SLC45A2	CSB-CL890941HU2	BC064405	51151	pENTR223.1 or pUC	1383
SLC46A2	CSB-CL871607HU	BC048285	57864	pENTR223.1 or pUC	1428
SLC46A3	CSB-CL773784HU	BC060850	283537	pENTR223.1 or pUC	1392
SLC47A1	CSB-CL822212HU2	BC058882	55244	pENTR223.1	873
SLC47A1	CSB-CL822212HU1	BC010661	55244	pENTR223.1 or pUC	1713
SLC48A1	CSB-CL740701HU1	BC002759	55652	pENTR223.1 or pUC	270
SLC48A1	CSB-CL740701HU2	BC011823	55652	pENTR223.1 or pUC	402
SLC48A1	CSB-CL740701HU3	BC026344	55652	pENTR223.1 or pUC	441
SLC4A2	CSB-CL021667HU1	BC028601	6522	pUC	3480
SLC4A4	CSB-CL896552HU	BC030977	8671	pENTR223.1 or pUC	1941
SLC4A8	CSB-CL649721HU	BC025994	9498	pENTR223.1 or pUC	2076
SLC5A10	CSB-CL021676HU	BC039868	125206	pENTR223.1 or pUC	1701
SLC5A11	CSB-CL840996HU	BC057780	115584	pENTR223.1 or pUC	1836
SLC5A2	CSB-CL021679HU	BC131542	6524	pENTR223.1 or pUC	1377



Name	Code	Accession No.	Gene ID	Vector	Length
SLC5A7	CSB-CL861976HU	BC111525	60482	pENTR223.1 or pUC	1743
SLC5A8	CSB-CL836676HU	BC110492	160728	pENTR223.1 or pUC	1833
SLC6A13	CSB-CL889104HU1	BC020867	6540	pENTR223.1 or pUC	294
SLC6A15	CSB-CL875657HU	BC070040	55117	pENTR223.1 or pUC	2193
SLC6A16	CSB-CL863929HU	BC034948	28968	pENTR223.1 or pUC	1980
SLC6A20	CSB-CL868273HU	BC126197	54716	pENTR223.1 or pUC	1779
SLC6A6	CSB-CL021704HU	BC006252	6533	pENTR223.1 or pUC	603
SLC6A7	CSB-CL858729HU	BC113425	6534	pENTR223.1	1911
SLC7A1	CSB-CL021709HU	BC063303	6541	pENTR223.1 or pUC	1890
SLC7A11	CSB-CL892171HU	BC012087	23657	pENTR223.1 or pUC	1506
SLC7A13	CSB-CL819462HU	BC125165	157724	pENTR223.1 or pUC	1413
SLC7A14	CSB-CL844711HU	BC022968	57709	pENTR223.1 or pUC	2214
SLC7A2	CSB-CL021714HU	BC113661	6542	pENTR223.1 or pUC	1974
SLC7A3	CSB-CL855505HU	BC033816	84889	pENTR223.1 or pUC	1860
SLC7A6	CSB-CL849761HU	BC028216	9057	pENTR223.1 or pUC	1548
SLC7A6OS	CSB-CL839303HU	BC013778	84138	pENTR223.1 or pUC	930
SLC7A7	CSB-CL892349HU	BC003062	9056	pENTR223.1 or pUC	1536
SLC7A8	CSB-CL887037HU	BC052250	23428	pENTR223.1 or pUC	1608
SLC9A1	CSB-CL021726HU	BC012121	6548	pENTR223.1	1668
SLC9A9	CSB-CL818234HU	BC035779	285195	pENTR223.1 or pUC	1938
SLCO1B1	CSB-CL896932HU	BC114376	10599	pENTR223.1 or pUC	2076
SLCO1C1	CSB-CL868355HU	BC022461	53919	pENTR223.1	2139
SLCO4A1	CSB-CL822181HU	BC015727	28231	pENTR223.1 or pUC	2169
SLCO6A1	CSB-CL773029HU	BC034976	133482	pENTR223.1 or pUC	1974
SLFN12	CSB-CL021761HU	BC035605	55106	pENTR223.1 or pUC	1737
SLITRK3	CSB-CL021772HU	BC114621	22865	pENTR223.1 or pUC	2934
SLITRK4	CSB-CL815560HU	BC040986	139065	pENTR223.1 or pUC	2514



Name	Code	Accession No.	Gene ID	Vector	Length
SLITRK6	CSB-CL867155HU	BC101070	84189	pENTR223.1 or pUC	2526
SLMO1	CSB-CL842722HU	BC106750	10650	pENTR223.1 or pUC	519
SLMO2	CSB-CL896708HU	BC010649	51012	pENTR223.1 or pUC	585
SLN	CSB-CL021780HU1	BC005261	6588	pENTR223.1 or pUC	108
SLN	CSB-CL021780HU2	BC094685	6588	pENTR223.1	96
SLPI	CSB-CL021781HU	BC020708	6590	pENTR223.1 or pUC	399
SLU7	CSB-CL021783HU	BC010634	10569	pENTR223.1 or pUC	1761
SLURP1	CSB-CL021784HU	BC069292	57152	pENTR223.1 or pUC	312
SMAD1	CSB-CL618998HU	BC001878	4086	pENTR223.1 or pUC	1398
SMAD3	CSB-CL021788HU1	BC000414	4088	pENTR223.1 or pUC	426
SMAD3	CSB-CL021788HU2	BC050743	4088	pENTR223.1 or pUC	1278
SMAD4	CSB-CL619768HU	BC002379	4089	pENTR223.1 or pUC	1659
SMAD5	CSB-CL859108HU	BC009682	4090	pENTR223.1	1398
SMAD9	CSB-CL021794HU	BC011559	4093	pENTR223.1	1293
SMAP1	CSB-CL811625HU	BC028074	60682	pENTR223.1 or pUC	1323
SMAP2	CSB-CL855473HU	BC021133	64744	pENTR223.1 or pUC	1290
SMARCAD1	CSB-CL875675HU	BC045534	56916	pUC	3087
SMARCC2	CSB-CL851527HU	BC013045	6601	pUC	3393
SMARCE1	CSB-CL839275HU1	BC063700	6605	pENTR223.1	1236
SMARCE1	CSB-CL839275HU2	BC007082	6605	pENTR223.1 or pUC	1236
SMCHD1	CSB-CL021819HU	BC035774	23347	pENTR223.1 or pUC	804
SMCP	CSB-CL021820HU	BC014593	4184	pENTR223.1 or pUC	351
SMCR7L	CSB-CL873622HU	BC008327	54471	pENTR223.1 or pUC	1392
SMEK1	CSB-CL757098HU2	BC028088	55671	pENTR223.1 or pUC	186
SMEK1	CSB-CL757098HU1	BC038932	55671	pENTR223.1 or pUC	1785
SMG6	CSB-CL773032HU	BC064916	23293	pENTR223.1 or pUC	1536
SMNDC1	CSB-CL021840HU	BC011234	10285	pENTR223.1 or pUC	717



Name	Code	Accession No.	Gene ID	Vector	Length
SMOC1	CSB-CL875673HU1	BC011548	64093	pENTR223.1 or pUC	1308
SMOC1	CSB-CL875673HU2	BC008608	64093	pENTR223.1 or pUC	1305
SMPD2	CSB-CL021846HU	BC000038	6610	pENTR223.1 or pUC	1272
SMPD3	CSB-CL878920HU	BC112238	55512	pENTR223.1 or pUC	1968
SMPDL3A	CSB-CL842119HU	BC018999	10924	pENTR223.1 or pUC	1362
SMPX	CSB-CL887043HU	BC005948	23676	pENTR223.1 or pUC	267
SMR3B	CSB-CL021853HU	BC015327	10879	pENTR223.1 or pUC	240
SMS	CSB-CL021854HU	BC009898	6611	pENTR223.1 or pUC	1101
SMTN	CSB-CL021855HU	BC034237	6525	pENTR223.1 or pUC	2748
SMU1	CSB-CL652688HU	BC002876	55234	pENTR223.1 or pUC	1542
SMUG1	CSB-CL706636HU	BC000417	23583	pENTR223.1 or pUC	534
SMYD1	CSB-CL847673HU	BC126191	150572	pENTR223.1 or pUC	1473
SMYD2	CSB-CL885705HU	BC098305	56950	pENTR223.1 or pUC	819
SMYD3	CSB-CL884482HU1	BC017079	64754	pENTR223.1 or pUC	720
SMYD4	CSB-CL815584HU	BC035077	114826	pENTR223.1 or pUC	2415
SNAI1	CSB-CL021867HU	BC012910	6615	pENTR223.1 or pUC	795
SNAI2	CSB-CL021869HU	BC014890	6591	pENTR223.1	807
SNAP23	CSB-CL021871HU1	BC003686	8773	pENTR223.1 or pUC	636
SNAP23	CSB-CL021871HU2	BC000148	8773	pENTR223.1 or pUC	636
SNAP25	CSB-CL021873HU	BC010647	6616	pENTR223.1 or pUC	621
SNAP29	CSB-CL021874HU	BC009715	9342	pENTR223.1 or pUC	777
SNAP47	CSB-CL716326HU	BC018760	116841	pENTR223.1 or pUC	1395
SNAP91	CSB-CL021876HU	BC060818	9892	pENTR223.1 or pUC	1803
SNAPC1	CSB-CL623083HU	BC014984	6617	pENTR223.1 or pUC	1107
SNAPC3	CSB-CL821717HU1	BC036031	6619	pENTR223.1 or pUC	762
SNAPC3	CSB-CL821717HU2	BC121011	6619	pENTR223.1 or pUC	1236
SNAPC5	CSB-CL021881HU	BC014315	10302	pENTR223.1 or pUC	207



Name	Code	Accession No.	Gene ID	Vector	Length
SNCA	CSB-CL021912HU	BC013293	6622	pENTR223.1 or pUC	423
SNCAIP	CSB-CL896546HU	BC033743	9627	pENTR223.1 or pUC	1662
SNCG	CSB-CL021915HU	BC014098	6623	pENTR223.1 or pUC	384
SNF8	CSB-CL856945HU1	BC038830	11267	pENTR223.1 or pUC	774
SNF8	CSB-CL856945HU2	BC008976	11267	pENTR223.1 or pUC	777
SNPH	CSB-CL022317HU	BC035788	9751	pENTR223.1 or pUC	1485
SNRNP25	CSB-CL863129HU	BC001381	79622	pENTR223.1 or pUC	399
SNRNP27	CSB-CL845152HU	BC017890	11017	pENTR223.1 or pUC	468
SNRNP35	CSB-CL620967HU	BC009622	11066	pENTR223.1	756
SNRNP40	CSB-CL822196HU	BC001494	9410	pENTR223.1 or pUC	1074
SNRNP48	CSB-CL750321HU	BC114630	154007	pENTR223.1 or pUC	1020
SNRPB2	CSB-CL362460HU	BC018022	6629	pENTR223.1	678
SNRPC	CSB-CL022331HU	BC121082	6631	pENTR223.1 or pUC	480
SNRPD1	CSB-CL022332HU	BC001721	6632	pENTR223.1 or pUC	360
SNRPD2	CSB-CL022333HU	BC000486	6633	pENTR223.1 or pUC	357
SNRPE	CSB-CL022336HU	BC002639	6635	pENTR223.1 or pUC	279
SNRPF	CSB-CL022338HU	BC063397	6636	pENTR223.1 or pUC	261
SNRPG	CSB-CL022340HU	BC000070	6637	pENTR223.1 or pUC	231
SNRPN	CSB-CL022343HU	BC003180	6638	pENTR223.1 or pUC	723
SNW1	CSB-CL614428HU	BC108903	22938	pENTR223.1 or pUC	1611
SNX1	CSB-CL623817HU	BC000357	6642	pENTR223.1	1569
SNX10	CSB-CL896538HU1	BC034992	29887	pENTR223.1 or pUC	606
SNX10	CSB-CL896538HU2	BC031050	29887	pENTR223.1 or pUC	606
SNX11	CSB-CL897300HU	BC000768	29916	pENTR223.1 or pUC	813
SNX12	CSB-CL891787HU1	BC020559	29934	pENTR223.1 or pUC	519
SNX12	CSB-CL891787HU2	BC103848	29934	pENTR223.1 or pUC	489
SNX16	CSB-CL022360HU	BC033630	64089	pENTR223.1 or pUC	1035



Name	Code	Accession No.	Gene ID	Vector	Length
SNX19	CSB-CL856403HU	BC031620	399979	pENTR223.1 or pUC	2412
SNX20	CSB-CL770357HU1	BC027944	124460	pENTR223.1 or pUC	390
SNX20	CSB-CL770357HU2	BC063423	124460	pENTR223.1 or pUC	309
SNX21	CSB-CL822168HU	BC019823	90203	pENTR223.1 or pUC	600
SNX22	CSB-CL839360HU	BC019655	79856	pENTR223.1	363
SNX27	CSB-CL842704HU	BC012184	81609	pENTR223.1	660
SNX3	CSB-CL022374HU1	BC016863	8724	pENTR223.1	342
SNX3	CSB-CL022374HU2	BC008444	8724	pENTR223.1 or pUC	489
SNX31	CSB-CL822740HU	BC031260	169166	pENTR223.1 or pUC	1026
SNX32	CSB-CL803143HU1	BC040981	254122	pENTR223.1 or pUC	1212
SNX32	CSB-CL803143HU2	BC045563	254122	pENTR223.1 or pUC	1212
SNX4	CSB-CL022379HU	BC018762	8723	pENTR223.1 or pUC	1353
SNX6	CSB-CL890766HU	BC001798	58533	pENTR223.1 or pUC	873
SNX7	CSB-CL891565HU1	BC010349	51375	pENTR223.1 or pUC	1164
SNX7	CSB-CL891565HU2	BC018105	51375	pENTR223.1 or pUC	1011
SNX8	CSB-CL896744HU	BC021565	29886	pENTR223.1 or pUC	1398
SNX9	CSB-CL896917HU	BC005022	51429	pENTR223.1 or pUC	1788
SOAT1	CSB-CL022385HU	BC028940	6646	pENTR223.1 or pUC	1653
SOCS2	CSB-CL022389HU	BC010399	8835	pENTR223.1 or pUC	597
SOCS3	CSB-CL022392HU	BC060858	9021	pENTR223.1	678
SOCS4	CSB-CL022393HU	BC060790	122809	pENTR223.1 or pUC	1323
SOCS5	CSB-CL022394HU	BC032862	9655	pENTR223.1 or pUC	1611
SOCS6	CSB-CL022395HU	BC020082	9306	pENTR223.1 or pUC	1608
SOD1	CSB-CL022397HU	BC001034	6647	pENTR223.1 or pUC	465
SOD2	CSB-CL022398HU1	BC012423	6648	pENTR223.1 or pUC	669
SOD2	CSB-CL022398HU2	BC016934	6648	pENTR223.1 or pUC	423
SOHLH2	CSB-CL878909HU	BC025383	54937	pENTR223.1 or pUC	678



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SORBS1	CSB-CL883617HU	BC042612	10580	pENTR223.1 or pUC	1887
SORBS2	CSB-CL022405HU	BC011883	8470	pENTR223.1 or pUC	1938
SORBS3	CSB-CL022406HU1	BC010146	10174	pENTR223.1 or pUC	990
SORD	CSB-CL022410HU	BC021085	6652	pENTR223.1	1074
SOSTDC1	CSB-CL757835HU	BC008484	25928	pENTR223.1 or pUC	621
SOX14	CSB-CL022422HU	BC106730	8403	pENTR223.1	723
SOX15	CSB-CL022423HU	BC000985	6665	pENTR223.1 or pUC	702
SOX5	CSB-CL022432HU	BC060773	6660	pENTR223.1 or pUC	1929
SOX7	CSB-CL866278HU	BC071947	83595	pENTR223.1 or pUC	1167
SP140	CSB-CL623798HU	BC105960	11262	pENTR223.1 or pUC	2523
SP6	CSB-CL668784HU	BC103951	80320	pENTR223.1 or pUC	1131
SPA17	CSB-CL614892HU	BC032457	53340	pENTR223.1 or pUC	456
SPACA1	CSB-CL864023HU	BC029488	81833	pENTR223.1 or pUC	885
SPACA3	CSB-CL812887HU1	BC100887	124912	pENTR223.1 or pUC	648
SPACA3	CSB-CL812887HU2	BC029867	124912	pENTR223.1 or pUC	372
SPAG7	CSB-CL022468HU	BC011934	9552	pENTR223.1	684
SPAG8	CSB-CL858730HU	BC019247	26206	pENTR223.1 or pUC	1506
SPAG9	CSB-CL022470HU	BC007524	9043	pENTR223.1 or pUC	396
SPAM1	CSB-CL022471HU	BC026163	6677	pENTR223.1	1536
SPANXA1	CSB-CL873643HU1	BC069816	30014	pENTR223.1 or pUC	294
SPANXA1	CSB-CL873643HU2	BC069393	30014	pENTR223.1 or pUC	294
SPANXC	CSB-CL878921HU	BC054023	64663	pENTR223.1 or pUC	294
SPANXD	CSB-CL874833HU	BC103961	64648	pENTR223.1 or pUC	294
SPANXE	CSB-CL819444HU	BC005382	171489	pENTR223.1 or pUC	294
SPANXN4	CSB-CL705808HU	BC130503	441525	pENTR223.1 or pUC	300
SPARC	CSB-CL022486HU	BC004974	6678	pENTR223.1	912
SPATA1	CSB-CL719627HU1	BC064144	64173	pENTR223.1 or pUC	663



Name	Code	Accession No.	Gene ID	Vector	Length
SPATA1	CSB-CL719627HU2	BC127634	64173	pENTR223.1 or pUC	855
SPATA12	CSB-CL801817HU1	BC033337	353324	pENTR223.1 or pUC	573
SPATA12	CSB-CL801817HU2	BC126274	353324	pENTR223.1 or pUC	573
SPATA17	CSB-CL842702HU	BC014608	128153	pENTR223.1 or pUC	1086
SPATA19	CSB-CL770355HU	BC058039	219938	pENTR223.1 or pUC	504
SPATA2	CSB-CL891556HU	BC009481	9825	pENTR223.1 or pUC	1563
SPATA22	CSB-CL836780HU	BC029483	84690	pENTR223.1 or pUC	1092
SPATA3	CSB-CL847751HU	BC047704	130560	pENTR223.1 or pUC	552
SPATA4	CSB-CL850876HU1	BC021731	132851	pENTR223.1 or pUC	918
SPATA6	CSB-CL868337HU	BC020660	54558	pENTR223.1 or pUC	1419
SPATA7	CSB-CL865200HU	BC008656	55812	pENTR223.1 or pUC	918
SPATA8	CSB-CL764872HU2	BC066292	145946	pENTR223.1 or pUC	318
SPATS1	CSB-CL676576HU	BC100957	221409	pENTR223.1 or pUC	903
SPC25	CSB-CL881019HU	BC022255	57405	pENTR223.1 or pUC	675
SPCS1	CSB-CL896543HU	BC000884	28972	pENTR223.1 or pUC	315
SPCS2	CSB-CL617993HU1	BC064957	9789	pENTR223.1 or pUC	681
SPCS3	CSB-CL022517HU	BC047290	60559	pENTR223.1 or pUC	543
SPDEF	CSB-CL022518HU	BC021299	25803	pENTR223.1	1008
SPEF1	CSB-CL896725HU	BC022476	25876	pENTR223.1 or pUC	489
SPEG	CSB-CL623013HU	BC006346	10290	pENTR223.1 or pUC	342
SPEM1	CSB-CL822704HU	BC033882	374768	pENTR223.1 or pUC	930
SPERT	CSB-CL843308HU	BC027609	220082	pENTR223.1 or pUC	1239
SPG11	CSB-CL842692HU1	BC024161	80208	pENTR223.1 or pUC	1278
SPG20	CSB-CL822675HU	BC047083	23111	pENTR223.1 or pUC	2001
SPG21	CSB-CL889158HU	BC000244	51324	pENTR223.1 or pUC	927
SPHK1	CSB-CL022564HU1	BC009419	8877	pENTR223.1	1197
SPHK1	CSB-CL022564HU2	BC008040	8877	pENTR223.1 or pUC	1155



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SPIC	CSB-CL818708HU	BC032317	121599	pENTR223.1 or pUC	747
SPIN1	CSB-CL897305HU	BC013571	10927	pENTR223.1	789
SPIN2A	CSB-CL859525HU	BC071694	54466	pENTR223.1 or pUC	777
SPIN2B	CSB-CL859828HU	BC000044	474343	pENTR223.1 or pUC	777
SPIN3	CSB-CL708489HU	BC032490	169981	pENTR223.1 or pUC	234
SPIN4	CSB-CL704087HU	BC112360	139886	pENTR223.1 or pUC	750
SPINK1	CSB-CL022575HU	BC025790	6690	pENTR223.1	240
SPINK2	CSB-CL022576HU	BC022514	6691	pENTR223.1 or pUC	255
SPINK4	CSB-CL022577HU	BC110068	27290	pENTR223.1 or pUC	261
SPINK7	CSB-CL022580HU	BC109385	84651	pENTR223.1 or pUC	258
SPINLW1	CSB-CL022583HU	BC053369	57119	pENTR223.1 or pUC	402
SPINT2	CSB-CL022585HU1	BC007705	10653	pENTR223.1 or pUC	759
SPINT2	CSB-CL022585HU2	BC001668	10653	pENTR223.1 or pUC	759
SPIRE2	CSB-CL855490HU	BC139732	84501	pENTR223.1 or pUC	1746
SPN	CSB-CL022590HU	BC012350	6693	pENTR223.1 or pUC	1203
SPNS1	CSB-CL884453HU	BC008325	83985	pENTR223.1 or pUC	1587
SPOCK3	CSB-CL859412HU1	BC000460	50859	pENTR223.1	1302
SPOCK3	CSB-CL859412HU2	BC013983	50859	pENTR223.1 or pUC	1302
SPOP	CSB-CL022601HU	BC001269	8405	pENTR223.1 or pUC	1125
SPOPL	CSB-CL022602HU	BC071613	339745	pENTR223.1 or pUC	1179
SPP1	CSB-CL022603HU2	BC007016	6696	pENTR223.1 or pUC	903
SPPL2A	CSB-CL855050HU	BC025740	84888	pENTR223.1 or pUC	1563
SPRED2	CSB-CL800221HU	BC130292	200734	pENTR223.1 or pUC	1257
SPRR1B	CSB-CL022611HU	BC056240	6699	pENTR223.1 or pUC	270
SPRR2A	CSB-CL022612HU	BC096108	6700	pENTR223.1 or pUC	219
SPRY1	CSB-CL022621HU	BC063856	10252	pENTR223.1 or pUC	960
SPRY2	CSB-CL022622HU1	BC015745	10253	pENTR223.1	948



Name	Code	Accession No.	Gene ID	Vector	Length
SPRY2	CSB-CL022622HU2	BC004205	10253	pENTR223.1 or pUC	1062
SPRY4	CSB-CL866335HU	BC125095	81848	pENTR223.1 or pUC	900
SPRYD4	CSB-CL848828HU	BC020844	283377	pENTR223.1	624
SPRYD5	CSB-CL871567HU	BC005014	84767	pENTR223.1 or pUC	882
SPSB1	CSB-CL853389HU	BC015711	80176	pENTR223.1 or pUC	822
SPTLC1	CSB-CL022639HU1	BC007085	10558	pENTR223.1 or pUC	432
SPTLC1	CSB-CL022639HU2	BC068537	10558	pENTR223.1 or pUC	1542
SPTLC2	CSB-CL022640HU	BC005123	9517	pENTR223.1	1689
SPTLC3	CSB-CL865142HU	BC020656	55304	pENTR223.1 or pUC	528
SPZ1	CSB-CL887147HU	BC033798	84654	pENTR223.1 or pUC	1293
SQLE	CSB-CL613505HU	BC017033	6713	pENTR223.1 or pUC	1725
SQSTM1	CSB-CL615696HU2	BC001874	8878	pENTR223.1	1071
SRBD1	CSB-CL854044HU	BC032538	55133	pENTR223.1 or pUC	1863
SRC	CSB-CL022650HU	BC011566	6714	pENTR223.1 or pUC	1611
SRD5A2	CSB-CL022654HU	BC112252	6716	pENTR223.1	765
SRFBP1	CSB-CL839864HU	BC031222	153443	pENTR223.1	1290
SRGAP1	CSB-CL770358HU	BC029919	57522	pENTR223.1 or pUC	1440
SRGAP3	CSB-CL022663HU	BC039300	9901	pENTR223.1 or pUC	1008
SRGN	CSB-CL022664HU1	BC015516	5552	pENTR223.1 or pUC	477
SRGN	CSB-CL022664HU2	BC022313	5552	pENTR223.1 or pUC	165
SRI	CSB-CL022665HU	BC011025	6717	pENTR223.1 or pUC	597
SRP14	CSB-CL022673HU	BC035495	6727	pENTR223.1	411
SRP19	CSB-CL022674HU	BC010947	6728	pENTR223.1 or pUC	435
SRP54	CSB-CL022675HU1	BC000652	6729	pENTR223.1	1515
SRP54	CSB-CL022675HU2	BC003389	6729	pENTR223.1 or pUC	1515
SRP9	CSB-CL022680HU1	BC021995	6726	pENTR223.1 or pUC	249
SRP9	CSB-CL022680HU2	BC008443	6726	pENTR223.1 or pUC	261



Name	Code	Accession No.	Gene ID	Vector	Length
SRP9	CSB-CL022680HU3	BC067845	6726	pENTR223.1 or pUC	249
SRPK2	CSB-CL022683HU2	BC068547	6733	pENTR223.1 or pUC	2067
SRPK3	CSB-CL892486HU	BC117124	26576	pENTR223.1 or pUC	1701
SRPR	CSB-CL022686HU1	BC008077	6734	pENTR223.1 or pUC	1731
SRPR	CSB-CL022686HU2	BC001162	6734	pENTR223.1 or pUC	1917
SRPRB	CSB-CL896911HU	BC065299	58477	pENTR223.1 or pUC	816
SRPX	CSB-CL022689HU	BC020684	8406	pENTR223.1 or pUC	1395
SS18	CSB-CL621876HU	BC096222	6760	pENTR223.1 or pUC	1257
SS18L1	CSB-CL022701HU1	BC034494	26039	pENTR223.1 or pUC	1191
SS18L1	CSB-CL022701HU2	BC068993	26039	pENTR223.1	1200
SSBP1	CSB-CL022706HU	BC000895	6742	pENTR223.1 or pUC	447
SSBP2	CSB-CL022707HU	BC017020	23635	pENTR223.1 or pUC	1086
SSBP3	CSB-CL880121HU1	BC004335	23648	pENTR223.1 or pUC	615
SSBP3	CSB-CL880121HU2	BC066365	23648	pENTR223.1 or pUC	1167
SSFA2	CSB-CL022710HU1	BC012947	6744	pENTR223.1 or pUC	804
SSH2	CSB-CL765732HU	BC011636	85464	pENTR223.1 or pUC	537
SSH3	CSB-CL837447HU	BC004176	54961	pENTR223.1 or pUC	1026
SSNA1	CSB-CL022714HU	BC000864	8636	pENTR223.1 or pUC	360
SSR1	CSB-CL022717HU	BC007710	6745	pENTR223.1 or pUC	861
SSR3	CSB-CL892358HU	BC017203	6747	pENTR223.1 or pUC	558
SSSCA1	CSB-CL022722HU	BC014791	10534	pENTR223.1 or pUC	600
SSTR2	CSB-CL022725HU	BC019610	6752	pENTR223.1	1110
SSU72	CSB-CL865091HU	BC008070	29101	pENTR223.1 or pUC	585
SSX1	CSB-CL614964HU1	BC133693	6756	pENTR223.1 or pUC	567
SSX1	CSB-CL614964HU2	BC128611	6756	pENTR223.1 or pUC	567
SSX2	CSB-CL613674HU1	BC007343	6757	pENTR223.1 or pUC	567
SSX2	CSB-CL613674HU2	BC002818	6757	pENTR223.1 or pUC	672



Name	Code	Accession No.	Gene ID	Vector	Length
SSX2IP	CSB-CL897526HU1	BC033637	117178	pENTR223.1 or pUC	1845
SSX2IP	CSB-CL897526HU2	BC064389	117178	pENTR223.1 or pUC	1680
SSX3	CSB-CL859947HU1	BC005904	10214	pENTR223.1 or pUC	513
SSX3	CSB-CL859947HU2	BC103862	10214	pENTR223.1 or pUC	567
SSX4	CSB-CL022736HU1	BC005325	6759	pENTR223.1	567
SSX4	CSB-CL022736HU2	BC103864	6759	pENTR223.1 or pUC	465
SSX5	CSB-CL022738HU	BC016640	6758	pENTR223.1 or pUC	690
ST13	CSB-CL022744HU1	BC015317	6767	pENTR223.1 or pUC	177
ST3GAL1	CSB-CL604744HU	BC018357	6482	pENTR223.1 or pUC	1023
ST3GAL2	CSB-CL618099HU	BC036777	6483	pENTR223.1 or pUC	1053
ST3GAL3	CSB-CL606136HU	BC050380	6487	pENTR223.1 or pUC	1128
ST3GAL4	CSB-CL612121HU	BC010645	6484	pENTR223.1 or pUC	1002
ST3GAL5	CSB-CL890769HU	BC065936	8869	pENTR223.1 or pUC	1173
ST5	CSB-CL022758HU	BC036655	6764	pUC	3414
ST6GAL1	CSB-CL022759HU	BC031476	6480	pENTR223.1 or pUC	1221
ST6GALNAC1	CSB-CL868312HU	BC022462	55808	pENTR223.1 or pUC	1416
ST6GALNAC2	CSB-CL883452HU	BC040455	10610	pENTR223.1 or pUC	1125
ST6GALNAC3	CSB-CL836724HU	BC059363	256435	pENTR223.1 or pUC	918
ST6GALNAC6	CSB-CL850251HU	BC006564	30815	pENTR223.1 or pUC	1002
ST7	CSB-CL865116HU1	BC030954	7982	pENTR223.1 or pUC	1644
ST7	CSB-CL865116HU2	BC075855	7982	pENTR223.1 or pUC	1758
ST7L	CSB-CL848413HU	BC065501	54879	pENTR223.1 or pUC	1728
ST8SIA1	CSB-CL838738HU2	BC117285	6489	pENTR223.1 or pUC	1071
ST8SIA2	CSB-CL852840HU	BC096202	8128	pENTR223.1 or pUC	1128
ST8SIA4	CSB-CL821630HU	BC027866	7903	pENTR223.1 or pUC	507
ST8SIA5	CSB-CL022778HU	BC108911	29906	pENTR223.1 or pUC	1131
STAC	CSB-CL859100HU	BC020221	6769	pENTR223.1	1209



Name	Code	Accession No.	Gene ID	Vector	Length
STAC3	CSB-CL839373HU	BC008069	246329	pENTR223.1 or pUC	978
STAG3L1	CSB-CL022788HU	BC030509	54441	pENTR223.1 or pUC	240
STAG3L2	CSB-CL022789HU	BC002581	442582	pENTR223.1 or pUC	243
STAG3L3	CSB-CL022790HU	BC066937	442578	pENTR223.1 or pUC	405
STAG3L4	CSB-CL848397HU	BC026058	64940	pENTR223.1 or pUC	453
STAM	CSB-CL846097HU	BC030586	8027	pENTR223.1	1212
STAM2	CSB-CL022793HU	BC028740	10254	pENTR223.1 or pUC	1578
STAMBP	CSB-CL022794HU1	BC007682	10617	pENTR223.1 or pUC	1275
STAMBP	CSB-CL022794HU2	BC065574	10617	pENTR223.1 or pUC	1275
STAMBPL1	CSB-CL853417HU	BC010846	57559	pENTR223.1 or pUC	1266
STAP1	CSB-CL890756HU	BC014958	26228	pENTR223.1 or pUC	888
STAR	CSB-CL022798HU	BC010550	6770	pENTR223.1 or pUC	858
STARD10	CSB-CL896706HU	BC007919	10809	pENTR223.1 or pUC	876
STARD3	CSB-CL618912HU1	BC008747	10948	pENTR223.1	1338
STARD3	CSB-CL618912HU2	BC008356	10948	pENTR223.1	1338
STARD3NL	CSB-CL022802HU	BC003074	83930	pENTR223.1 or pUC	705
STARD7	CSB-CL865111HU1	BC008894	56910	pENTR223.1 or pUC	888
STARD7	CSB-CL865111HU2	BC007894	56910	pENTR223.1 or pUC	888
STARD8	CSB-CL821673HU	BC035587	9754	pUC	3072
STAT1	CSB-CL022810HU	BC002704	6772	pENTR223.1	2139
STAT3	CSB-CL022812HU1	BC014482	6774	pENTR223.1	2313
STAT3	CSB-CL022812HU2	BC000627	6774	pENTR223.1	2310
STAT4	CSB-CL022813HU	BC031212	6775	pENTR223.1	2247
STAT5A	CSB-CL022814HU	BC027036	6776	pENTR223.1 or pUC	2385
STAT5B	CSB-CL022815HU	BC020868	6777	pENTR223.1	1173
STAT6	CSB-CL022816HU	BC075852	6778	pENTR223.1	2544
STAU1	CSB-CL022818HU	BC050432	6780	pENTR223.1	1734



Name	Code	Accession No.	Gene ID	Vector	Length
STAU2	CSB-CL885729HU1	BC008370	27067	pENTR223.1 or pUC	318
STAU2	CSB-CL885729HU3	BC110447	27067	pENTR223.1 or pUC	1440
STAU2	CSB-CL885729HU2	BC008369	27067	pENTR223.1 or pUC	1617
STBD1	CSB-CL022820HU	BC022301	8987	pENTR223.1 or pUC	1077
STC1	CSB-CL022821HU	BC029044	6781	pENTR223.1	744
STC2	CSB-CL022822HU	BC000658	8614	pENTR223.1	909
STEAP3	CSB-CL717655HU2	BC095421	55240	pENTR223.1 or pUC	1467
STH	CSB-CL022827HU	BC130319	246744	pENTR223.1 or pUC	387
STIP1	CSB-CL022831HU	BC002987	10963	pENTR223.1	1632
STK10	CSB-CL022832HU	BC014413	6793	pENTR223.1 or pUC	435
STK11	CSB-CL624036HU	BC007981	6794	pENTR223.1 or pUC	1302
STK16	CSB-CL022835HU1	BC002618	8576	pENTR223.1 or pUC	918
STK16	CSB-CL022835HU2	BC053998	8576	pENTR223.1 or pUC	918
STK17B	CSB-CL022838HU	BC016040	9262	pENTR223.1 or pUC	1119
STK19	CSB-CL022839HU	BC121129	8859	pENTR223.1 or pUC	966
STK25	CSB-CL022842HU1	BC015793	10494	pENTR223.1 or pUC	1281
STK25	CSB-CL022842HU2	BC007852	10494	pENTR223.1 or pUC	1281
STK3	CSB-CL614396HU	BC010640	6788	pENTR223.1 or pUC	1476
STK32A	CSB-CL851962HU	BC021666	202374	pENTR223.1 or pUC	501
STK32B	CSB-CL868353HU	BC038238	55351	pENTR223.1 or pUC	1245
STK32C	CSB-CL773035HU	BC015792	282974	pENTR223.1 or pUC	1110
STK33	CSB-CL861179HU	BC031231	65975	pENTR223.1 or pUC	1545
STK38L	CSB-CL896491HU	BC028603	23012	pENTR223.1 or pUC	1395
STK4	CSB-CL621644HU	BC005231	6789	pENTR223.1	120
STK40	CSB-CL854027HU1	BC008344	83931	pENTR223.1 or pUC	702
STK40	CSB-CL854027HU2	BC007835	83931	pENTR223.1 or pUC	1308
STMN1	CSB-CL022857HU1	BC014353	3925	pENTR223.1 or pUC	450



Name	Code	Accession No.	Gene ID	Vector	Length
STMN1	CSB-CL022857HU2	BC082228	3925	pENTR223.1	450
STMN2	CSB-CL853100HU	BC006302	11075	pENTR223.1 or pUC	540
STMN3	CSB-CL868366HU	BC009381	50861	pENTR223.1 or pUC	543
STMN4	CSB-CL880941HU	BC011520	81551	pENTR223.1 or pUC	651
STOM	CSB-CL022862HU	BC010703	2040	pENTR223.1 or pUC	867
STOML1	CSB-CL887004HU	BC034379	9399	pENTR223.1 or pUC	1197
STOML2	CSB-CL892131HU1	BC002442	30968	pENTR223.1	1071
STOML2	CSB-CL892131HU2	BC010152	30968	pENTR223.1 or pUC	1071
STOML3	CSB-CL844707HU	BC025760	161003	pENTR223.1 or pUC	876
STOX1	CSB-CL765089HU	BC063627	219736	pENTR223.1 or pUC	1296
STRA13	CSB-CL022871HU	BC009571	201254	pENTR223.1 or pUC	192
STRADB	CSB-CL874868HU	BC008302	55437	pENTR223.1 or pUC	1257
STRAP	CSB-CL896713HU	BC000162	11171	pENTR223.1 or pUC	1053
STRBP	CSB-CL847225HU	BC017732	55342	pENTR223.1 or pUC	2019
STRN	CSB-CL022880HU	BC106879	6801	pENTR223.1 or pUC	2196
STT3A	CSB-CL022885HU	BC020965	3703	pENTR223.1 or pUC	2118
STT3B	CSB-CL823456HU	BC015880	201595	pENTR223.1 or pUC	678
STX10	CSB-CL022888HU	BC017237	8677	pENTR223.1 or pUC	603
STX11	CSB-CL022889HU	BC033519	8676	pENTR223.1 or pUC	864
STX12	CSB-CL801263HU	BC046999	23673	pENTR223.1 or pUC	831
STX16	CSB-CL022891HU	BC073876	8675	pENTR223.1 or pUC	966
STX17	CSB-CL022892HU	BC051790	55014	pENTR223.1	432
STX19	CSB-CL822703HU	BC034696	415117	pENTR223.1 or pUC	885
STX3	CSB-CL613388HU	BC007405	6809	pENTR223.1 or pUC	870
STX4	CSB-CL623656HU	BC002436	6810	pENTR223.1 or pUC	894
STX5	CSB-CL619754HU1	BC012137	6811	pENTR223.1 or pUC	906
STX5	CSB-CL619754HU2	BC002645	6811	pENTR223.1 or pUC	804



Name	Code	Accession No.	Gene ID	Vector	Length
STX6	CSB-CL022902HU	BC009944	10228	pENTR223.1 or pUC	768
STX7	CSB-CL022903HU	BC011975	8417	pENTR223.1 or pUC	786
STX8	CSB-CL892159HU	BC009713	9482	pENTR223.1 or pUC	711
STXBP1	CSB-CL022905HU	BC015749	6812	pENTR223.1 or pUC	1785
STXBP2	CSB-CL618999HU	BC002869	6813	pENTR223.1 or pUC	1773
STXBP3	CSB-CL022907HU1	BC047764	6814	pENTR223.1 or pUC	1779
STXBP4	CSB-CL757971HU	BC125116	252983	pENTR223.1 or pUC	1596
STXBP6	CSB-CL850881HU	BC009499	29091	pENTR223.1 or pUC	633
STYX	CSB-CL851966HU	BC020265	6815	pENTR223.1 or pUC	672
SUB1	CSB-CL022915HU1	BC010537	10923	pENTR223.1 or pUC	384
SUB1	CSB-CL022915HU2	BC009610	10923	pENTR223.1 or pUC	384
SUCLA2	CSB-CL868398HU	BC027587	8803	pENTR223.1 or pUC	1392
SUCLG2	CSB-CL846636HU	BC047024	8801	pENTR223.1 or pUC	1155
SUCNR1	CSB-CL022921HU	BC030948	56670	pENTR223.1 or pUC	1005
SULF1	CSB-CL814217HU	BC068565	23213	pENTR223.1	1935
SULF2	CSB-CL810283HU1	BC020962	55959	pENTR223.1 or pUC	450
SULF2	CSB-CL810283HU2	BC110539	55959	pENTR223.1 or pUC	2613
SULT1A1	CSB-CL022933HU	BC000923	6817	pENTR223.1 or pUC	888
SULT1A2	CSB-CL022934HU	BC113727	6799	pENTR223.1 or pUC	888
SULT1A3	CSB-CL022935HU	BC014471	6818	pUC	888
SULT1B1	CSB-CL022937HU	BC010895	27284	pENTR223.1 or pUC	891
SULT1C2	CSB-CL022938HU	BC005353	6819	pENTR223.1 or pUC	891
SULT1C4	CSB-CL022940HU1	BC058861	27233	pENTR223.1 or pUC	309
SULT1E1	CSB-CL022941HU	BC027956	6783	pENTR223.1 or pUC	885
SULT2B1	CSB-CL022943HU	BC034694	6820	pENTR223.1 or pUC	1098
SULT4A1	CSB-CL883582HU1	BC028171	25830	pENTR223.1 or pUC	783
SULT4A1	CSB-CL883582HU2	BC030665	25830	pENTR223.1 or pUC	852



Name	Code	Accession No.	Gene ID	Vector	Length
SULT4A1	CSB-CL883582HU3	BC022459	25830	pENTR223.1 or pUC	855
SUMF2	CSB-CL839844HU1	BC015600	25870	pENTR223.1 or pUC	933
SUMF2	CSB-CL839844HU2	BC065222	25870	pENTR223.1 or pUC	162
SUMO1	CSB-CL022948HU1	BC006462	7341	pENTR223.1	306
SUMO1	CSB-CL022948HU2	BC066306	7341	pENTR223.1 or pUC	306
SUMO2	CSB-CL022949HU1	BC016775	6613	pENTR223.1	288
SUMO2	CSB-CL022949HU2	BC008450	6613	pENTR223.1 or pUC	288
SUMO3	CSB-CL022951HU	BC000036	6612	pENTR223.1	312
SUMO4	CSB-CL718803HU	BC130305	387082	pENTR223.1 or pUC	288
SUPT3H	CSB-CL022956HU	BC050384	8464	pENTR223.1 or pUC	987
SUPT4H1	CSB-CL022957HU	BC002802	6827	pENTR223.1 or pUC	354
SUPV3L1	CSB-CL814232HU	BC036112	6832	pENTR223.1 or pUC	2361
SURF2	CSB-CL618009HU	BC014411	6835	pENTR223.1 or pUC	771
SURF4	CSB-CL022965HU	BC018741	6836	pENTR223.1	810
SURF6	CSB-CL022966HU	BC014878	6838	pENTR223.1 or pUC	1086
SUSD4	CSB-CL733164HU	BC004888	55061	pENTR223.1 or pUC	873
SUV39H1	CSB-CL022972HU	BC006238	6839	pENTR223.1 or pUC	1239
SUV39H2	CSB-CL872500HU1	BC007754	79723	pENTR223.1 or pUC	1053
SUV39H2	CSB-CL872500HU2	BC029360	79723	pENTR223.1 or pUC	693
SUV420H1	CSB-CL674569HU1	BC002522	51111	pENTR223.1 or pUC	1155
SUV420H1	CSB-CL674569HU2	BC103498	51111	pENTR223.1 or pUC	2658
SV2B	CSB-CL022979HU	BC030011	9899	pENTR223.1 or pUC	2052
SVOP	CSB-CL839798HU	BC033587	55530	pENTR223.1 or pUC	1647
SVOPL	CSB-CL818698HU	BC036796	136306	pENTR223.1 or pUC	1023
SWAP70	CSB-CL887026HU	BC000616	23075	pENTR223.1 or pUC	1758
SYAP1	CSB-CL846581HU	BC014657	94056	pENTR223.1 or pUC	1059
SYCE1	CSB-CL022987HU	BC034821	93426	pENTR223.1 or pUC	948



Name	Code	Accession No.	Gene ID	Vector	Length
SYCN	CSB-CL022989HU	BC121075	342898	pENTR223.1 or pUC	405
SYF2	CSB-CL022996HU	BC010862	25949	pENTR223.1 or pUC	732
SYK	CSB-CL022998HU1	BC002962	6850	pENTR223.1	1908
SYK	CSB-CL022998HU2	BC011399	6850	pENTR223.1 or pUC	1839
SYN3	CSB-CL023004HU	BC117460	8224	pENTR223.1 or pUC	1740
SYNC	CSB-CL862034HU	BC119700	81493	pENTR223.1 or pUC	456
SYNCRIP	CSB-CL023007HU	BC032643	10492	pENTR223.1 or pUC	1584
SYNGR1	CSB-CL023011HU	BC000731	9145	pENTR223.1 or pUC	576
SYNGR4	CSB-CL023015HU	BC106891	23546	pENTR223.1 or pUC	705
SYNJ2BP	CSB-CL023018HU	BC007704	55333	pENTR223.1 or pUC	438
SYNPR	CSB-CL023023HU	BC022518	132204	pENTR223.1 or pUC	798
SYPL1	CSB-CL613685HU1	BC016835	6856	pENTR223.1 or pUC	726
SYPL1	CSB-CL613685HU2	BC061887	6856	pENTR223.1 or pUC	780
SYPL2	CSB-CL730140HU	BC113103	284612	pENTR223.1 or pUC	435
SYT1	CSB-CL023029HU	BC058917	6857	pUC	1269
SYT10	CSB-CL754474HU	BC101024	341359	pENTR223.1 or pUC	1572
SYT11	CSB-CL883595HU1	BC004291	23208	pENTR223.1 or pUC	1296
SYT11	CSB-CL883595HU2	BC039205	23208	pENTR223.1 or pUC	1296
SYT12	CSB-CL818232HU	BC037406	91683	pENTR223.1 or pUC	1266
SYT14	CSB-CL850852HU	BC130323	255928	pENTR223.1 or pUC	1809
SYT14L	CSB-CL707489HU	BC132697	401135	pENTR223.1 or pUC	471
SYT15	CSB-CL874787HU	BC139914	83849	pENTR223.1 or pUC	1173
SYT16	CSB-CL623169HU1	BC040924	83851	pENTR223.1 or pUC	612
SYT16	CSB-CL623169HU2	BC117363	83851	pENTR223.1 or pUC	1938
SYT17	CSB-CL880096HU	BC004518	51760	pENTR223.1 or pUC	1425
SYT2	CSB-CL850840HU	BC100815	127833	pENTR223.1 or pUC	1260
SYT4	CSB-CL875654HU	BC036538	6860	pENTR223.1 or pUC	1278



Name	Code	Accession No.	Gene ID	Vector	Length
SYT6	CSB-CL716356HU	BC044948	148281	pENTR223.1 or pUC	1278
SYT9	CSB-CL803111HU1	BC029605	143425	pENTR223.1 or pUC	960
SYT9	CSB-CL803111HU2	BC046367	143425	pENTR223.1 or pUC	1476
SYTL2	CSB-CL867200HU	BC015540	54843	pENTR223.1 or pUC	1131
SYTL3	CSB-CL687190HU	BC100830	94120	pENTR223.1 or pUC	1833
SYTL4	CSB-CL846595HU	BC014913	94121	pENTR223.1 or pUC	2016
TAC1	CSB-CL023062HU	BC018047	6863	pENTR223.1 or pUC	390
TAC3	CSB-CL887034HU	BC032145	6866	pENTR223.1 or pUC	366
TAC4	CSB-CL771439HU	BC111858	255061	pENTR223.1 or pUC	207
TACC1	CSB-CL023065HU	BC041391	6867	pUC	2196
TACC3	CSB-CL896927HU	BC111771	10460	pENTR223.1 or pUC	2517
TACR3	CSB-CL023070HU	BC122551	6870	pENTR223.1 or pUC	1398
TADA2B	CSB-CL768204HU	BC101334	93624	pENTR223.1 or pUC	987
TAF11	CSB-CL624027HU	BC021972	6882	pENTR223.1 or pUC	636
TAF12	CSB-CL624102HU	BC011986	6883	pENTR223.1 or pUC	486
TAF13	CSB-CL614893HU	BC121180	6884	pENTR223.1 or pUC	375
TAF1A	CSB-CL614895HU	BC013808	9015	pENTR223.1 or pUC	1353
TAF1B	CSB-CL684476HU	BC018137	9014	pENTR223.1 or pUC	1767
TAF1D	CSB-CL867153HU	BC001972	79101	pENTR223.1 or pUC	837
TAF5L	CSB-CL023093HU	BC041094	27097	pENTR223.1 or pUC	978
TAF6L	CSB-CL896758HU	BC008785	10629	pENTR223.1 or pUC	1380
TAF7	CSB-CL623003HU	BC032737	6879	pENTR223.1 or pUC	1050
TAF8	CSB-CL773805HU1	BC033728	129685	pENTR223.1 or pUC	525
TAF8	CSB-CL773805HU2	BC119678	129685	pENTR223.1 or pUC	936
TAF9	CSB-CL619078HU1	BC007349	6880	pENTR223.1 or pUC	519
TAF9	CSB-CL619078HU2	BC003400	6880	pENTR223.1 or pUC	795
TAF9B	CSB-CL862064HU	BC009566	51616	pENTR223.1 or pUC	756



Name	Code	Accession No.	Gene ID	Vector	Length
TAGAP	CSB-CL818676HU1	BC015859	117289	pENTR223.1 or pUC	801
TAGLN2	CSB-CL023106HU1	BC009357	8407	pENTR223.1 or pUC	600
TAGLN2	CSB-CL023106HU2	BC002616	8407	pENTR223.1 or pUC	600
TAGLN3	CSB-CL887055HU	BC015329	29114	pENTR223.1 or pUC	600
TAL2	CSB-CL623085HU	BC126373	6887	pENTR223.1 or pUC	327
TALDO1	CSB-CL023112HU1	BC010103	6888	pENTR223.1 or pUC	1014
TALDO1	CSB-CL023112HU2	BC009680	6888	pENTR223.1 or pUC	957
TANK	CSB-CL852916HU1	BC003388	10010	pENTR223.1 or pUC	360
TAPBP	CSB-CL023122HU	BC080574	6892	pENTR223.1 or pUC	1515
TAPBPL	CSB-CL887144HU	BC015017	55080	pENTR223.1 or pUC	1407
TARBP2	CSB-CL623007HU	BC005860	6895	pENTR223.1 or pUC	1101
TARDBP	CSB-CL621652HU1	BC001487	23435	pENTR223.1	783
TARDBP	CSB-CL621652HU2	BC071657	23435	pENTR223.1 or pUC	1245
TARS	CSB-CL023131HU2	BC000517	6897	pENTR223.1 or pUC	2172
TARS2	CSB-CL887139HU	BC000541	80222	pUC	2157
TAS2R13	CSB-CL889153HU	BC069376	50838	pENTR223.1 or pUC	912
TAS2R14	CSB-CL868362HU	BC103699	50840	pENTR223.1	954
TAS2R41	CSB-CL023159HU	BC101157	259287	pENTR223.1 or pUC	924
TAS2R42	CSB-CL766403HU	BC131742	353164	pENTR223.1 or pUC	945
TAS2R43	CSB-CL023161HU	BC117423	259289	pENTR223.1 or pUC	930
TAS2R45	CSB-CL023162HU	BC101154	259291	pENTR223.1 or pUC	900
TAS2R7	CSB-CL868363HU	BC113561	50837	pENTR223.1 or pUC	957
TAS2R8	CSB-CL873698HU1	BC069551	50836	pENTR223.1 or pUC	930
TAS2R8	CSB-CL873698HU2	BC098353	50836	pENTR223.1 or pUC	930
TAT	CSB-CL023175HU	BC130534	6898	pENTR223.1 or pUC	1365
TAX1BP3	CSB-CL023180HU	BC023980	30851	pENTR223.1 or pUC	375
TAZ	CSB-CL023181HU	BC011515	6901	pENTR223.1 or pUC	789



Name	Code	Accession No.	Gene ID	Vector	Length
TBC1D14	CSB-CL889187HU	BC041167	57533	pENTR223.1 or pUC	2037
TBC1D19	CSB-CL843274HU	BC031642	55296	pENTR223.1 or pUC	1581
TBC1D2	CSB-CL861181HU1	BC028918	55357	pENTR223.1	1407
TBC1D2	CSB-CL861181HU2	BC071978	55357	pENTR223.1 or pUC	1509
TBC1D20	CSB-CL846594HU	BC014983	128637	pENTR223.1	1212
TBC1D22A	CSB-CL848818HU	BC002743	25771	pENTR223.1 or pUC	1320
TBC1D22B	CSB-CL882104HU	BC109026	55633	pENTR223.1	1518
TBC1D23	CSB-CL865143HU1	BC010221	55773	pENTR223.1 or pUC	963
TBC1D23	CSB-CL865143HU2	BC020955	55773	pENTR223.1 or pUC	1644
TBC1D26	CSB-CL769776HU	BC047400	353149	pENTR223.1 or pUC	753
TBC1D29	CSB-CL880076HU	BC096718	26083	pENTR223.1 or pUC	453
TBC1D3	CSB-CL814244HU	BC078140	84218	pENTR223.1 or pUC	876
TBC1D3C	CSB-CL740248HU2	BC071680	414060	pENTR223.1 or pUC	1650
TBC1D7	CSB-CL873720HU1	BC007054	51256	pENTR223.1 or pUC	882
TBC1D7	CSB-CL873720HU2	BC050465	51256	pENTR223.1 or pUC	801
TBC1D9B	CSB-CL724138HU2	BC008919	23061	pENTR223.1 or pUC	1533
TBCA	CSB-CL023225HU	BC018210	6902	pENTR223.1 or pUC	327
TBCB	CSB-CL859929HU	BC005969	1155	pENTR223.1	735
TBCE	CSB-CL613603HU	BC008654	6905	pENTR223.1 or pUC	1584
TBCEL	CSB-CL722183HU	BC120988	219899	pENTR223.1 or pUC	1275
TBK1	CSB-CL890690HU	BC034950	29110	pENTR223.1	2190
TBL1XR1	CSB-CL883647HU	BC113421	79718	pENTR223.1 or pUC	1545
TBL3	CSB-CL619630HU1	BC010231	10607	pENTR223.1 or pUC	2427
TBP	CSB-CL023239HU	BC109054	6908	pENTR223.1	867
TBPL1	CSB-CL023240HU1	BC000381	9519	pENTR223.1 or pUC	561
TBPL1	CSB-CL023240HU2	BC017559	9519	pENTR223.1 or pUC	561
TBR1	CSB-CL618090HU	BC113418	10716	pENTR223.1	2049



Name	Code	Accession No.	Gene ID	Vector	Length
TBRG1	CSB-CL023243HU1	BC032312	84897	pENTR223.1 or pUC	372
TBRG1	CSB-CL023243HU2	BC109269	84897	pENTR223.1 or pUC	564
TBRG1	CSB-CL023243HU3	BC041043	84897	pENTR223.1 or pUC	420
TBX15	CSB-CL839414HU	BC122553	6913	pENTR223.1 or pUC	1491
TBX18	CSB-CL023248HU	BC132715	9096	pUC	1824
TBX20	CSB-CL892476HU	BC120946	57057	pENTR223.1 or pUC	894
TBX22	CSB-CL897488HU	BC014194	50945	pENTR223.1 or pUC	1563
TBX6	CSB-CL023258HU	BC026031	6911	pENTR223.1 or pUC	1311
TBXAS1	CSB-CL023261HU1	BC014117	6916	pENTR223.1 or pUC	1401
TCAP	CSB-CL023264HU1	BC013330	8557	pENTR223.1 or pUC	504
TCAP	CSB-CL023264HU2	BC012628	8557	pENTR223.1 or pUC	504
TCEA2	CSB-CL621877HU1	BC018896	6919	pENTR223.1 or pUC	900
TCEA2	CSB-CL621877HU2	BC050623	6919	pENTR223.1 or pUC	729
TCEAL1	CSB-CL622990HU	BC000809	9338	pENTR223.1 or pUC	480
TCEAL3	CSB-CL842623HU	BC007622	85012	pENTR223.1 or pUC	603
TCEAL4	CSB-CL842664HU	BC012296	79921	pUC	648
TCEAL7	CSB-CL863109HU	BC005988	56849	pENTR223.1	303
TCEAL8	CSB-CL818261HU	BC035573	90843	pENTR223.1 or pUC	354
TCEB1	CSB-CL613591HU	BC013809	6921	pENTR223.1 or pUC	339
TCEB2	CSB-CL620878HU	BC013306	6923	pENTR223.1 or pUC	357
TCEB3	CSB-CL619867HU	BC002883	6924	pENTR223.1 or pUC	2319
TCEB3B	CSB-CL815581HU1	BC036022	51224	pENTR223.1 or pUC	2262
TCEB3B	CSB-CL815581HU2	BC103911	51224	pENTR223.1 or pUC	2262
TCF12	CSB-CL023293HU	BC050556	6938	pENTR223.1 or pUC	2121
TCF19	CSB-CL023295HU	BC002493	6941	pENTR223.1 or pUC	1038
TCF3	CSB-CL023301HU	BC110580	6929	pENTR223.1 or pUC	1977
TCF4	CSB-CL023302HU1	BC031056	6925	pENTR223.1	1098



Name	Code	Accession No.	Gene ID	Vector	Length
TCF4	CSB-CL023302HU2	BC125084	6925	pENTR223.1	2016
TCHP	CSB-CL874804HU	BC004285	84260	pENTR223.1 or pUC	1497
TCL1A	CSB-CL023313HU	BC003574	8115	pENTR223.1	345
TCL6	CSB-CL023316HU	BC041075	27004	pENTR223.1 or pUC	426
TCN1	CSB-CL023317HU	BC018632	6947	pENTR223.1 or pUC	1272
TCN2	CSB-CL023318HU1	BC011239	6948	pENTR223.1 or pUC	1203
TCOF1	CSB-CL619765HU	BC011764	6949	pENTR223.1 or pUC	2877
TCP10	CSB-CL614256HU	BC063451	6953	pENTR223.1 or pUC	1062
TCP10L	CSB-CL823465HU	BC033855	140290	pUC	648
TCP11L2	CSB-CL847634HU	BC033617	255394	pENTR223.1 or pUC	1560
TCTA	CSB-CL023331HU	BC005157	6988	pENTR223.1 or pUC	312
TCTE1	CSB-CL689339HU	BC035022	202500	pENTR223.1 or pUC	1506
TCTE3	CSB-CL812911HU	BC113639	6991	pENTR223.1 or pUC	597
TCTEX1D1	CSB-CL854062HU	BC106885	200132	pENTR223.1 or pUC	540
TCTEX1D2	CSB-CL845157HU	BC021177	255758	pENTR223.1 or pUC	429
TCTN2	CSB-CL853425HU	BC009112	79867	pENTR223.1 or pUC	2094
TCTN3	CSB-CL747352HU1	BC009494	26123	pENTR223.1 or pUC	960
TCTN3	CSB-CL747352HU2	BC068449	26123	pENTR223.1	1824
TDG	CSB-CL623816HU	BC037557	6996	pENTR223.1 or pUC	1233
TDGF1	CSB-CL023343HU1	BC022393	6997	pENTR223.1 or pUC	567
TDGF1	CSB-CL023343HU2	BC067844	6997	pENTR223.1 or pUC	567
TDO2	CSB-CL023351HU	BC005355	6999	pENTR223.1	1221
TDP1	CSB-CL023352HU	BC006083	55775	pENTR223.1 or pUC	897
TDRD3	CSB-CL863996HU	BC030514	81550	pENTR223.1 or pUC	1956
TDRD7	CSB-CL844088HU	BC028694	23424	pUC	3297
TDRD9	CSB-CL850866HU	BC128057	122402	pENTR223.1 or pUC	2634
TDRKH	CSB-CL897096HU	BC032690	11022	pENTR223.1 or pUC	1686



Name	Code	Accession No.	Gene ID	Vector	Length
TEAD1	CSB-CL023363HU	BC115398	7003	pENTR223.1	1074
TEAD3	CSB-CL860344HU	BC027877	7005	pENTR223.1	975
TEAD4	CSB-CL618010HU	BC015497	7004	pENTR223.1	1086
TECTB	CSB-CL857003HU1	BC113499	6975	pENTR223.1 or pUC	990
TECTB	CSB-CL857003HU2	BC113497	6975	pENTR223.1 or pUC	990
TEKT2	CSB-CL883425HU	BC035620	27285	pENTR223.1 or pUC	1293
TEKT3	CSB-CL871598HU	BC031688	64518	pENTR223.1 or pUC	1473
TEKT4	CSB-CL855486HU	BC021716	150483	pENTR223.1 or pUC	1308
TEKT5	CSB-CL856979HU	BC130336	146279	pENTR223.1 or pUC	1458
TEPP	CSB-CL761487HU	BC104459	374739	pENTR223.1 or pUC	816
TERF1	CSB-CL023386HU	BC029378	7013	pENTR223.1 or pUC	1260
TESC	CSB-CL023393HU	BC015221	54997	pENTR223.1 or pUC	645
TESK2	CSB-CL839412HU	BC033085	10420	pENTR223.1 or pUC	1629
TET2	CSB-CL764560HU	BC110510	54790	pENTR223.1 or pUC	1848
TET3	CSB-CL023398HU	BC022243	200424	pENTR223.1 or pUC	2814
TEX10	CSB-CL882133HU	BC030652	54881	pENTR223.1 or pUC	2790
TEX11	CSB-CL818259HU	BC036016	56159	pENTR223.1	2754
TEX12	CSB-CL863147HU	BC029506	56158	pENTR223.1 or pUC	372
TEX13A	CSB-CL883626HU	BC042547	56157	pENTR223.1 or pUC	1230
TEX2	CSB-CL808997HU	BC033661	55852	pENTR223.1 or pUC	834
TEX261	CSB-CL740913HU1	BC020251	113419	pENTR223.1 or pUC	450
TEX261	CSB-CL740913HU2	BC128461	113419	pENTR223.1 or pUC	591
TEX28	CSB-CL521147HU	BC026183	1527	pENTR223.1 or pUC	1233
TEX9	CSB-CL839814HU	BC028119	374618	pENTR223.1 or pUC	1176
TFAM	CSB-CL023413HU	BC126366	7019	pENTR223.1 or pUC	741
TFAP2A	CSB-CL023414HU	BC017754	7020	pENTR223.1	1296
TFB1M	CSB-CL023420HU	BC017788	51106	pENTR223.1 or pUC	1041



Name	Code	Accession No.	Gene ID	Vector	Length
TFB2M	CSB-CL867154HU	BC003383	64216	pENTR223.1 or pUC	1191
TFCP2	CSB-CL621517HU	BC003634	7024	pENTR223.1 or pUC	1509
TFDP1	CSB-CL023424HU	BC011685	7027	pENTR223.1 or pUC	1233
TFDP2	CSB-CL623906HU	BC021113	7029	pENTR223.1	1161
TFDP3	CSB-CL702134HU	BC117336	51270	pENTR223.1 or pUC	1038
TFEB	CSB-CL023429HU	BC032448	7942	pENTR223.1 or pUC	1431
TFEC	CSB-CL023430HU	BC029891	22797	pENTR223.1 or pUC	594
TFF1	CSB-CL023431HU	BC032811	7031	pENTR223.1 or pUC	255
TFG	CSB-CL852902HU1	BC001483	10342	pENTR223.1 or pUC	1203
TFG	CSB-CL852902HU2	BC041600	10342	pENTR223.1 or pUC	1101
TFIP11	CSB-CL866198HU	BC011599	24144	pENTR223.1 or pUC	2514
TFPI	CSB-CL023437HU	BC015514	7035	pENTR223.1	756
TFPI2	CSB-CL023438HU	BC005330	7980	pENTR223.1 or pUC	708
TFPT	CSB-CL023439HU1	BC004281	29844	pENTR223.1 or pUC	762
TFPT	CSB-CL023439HU2	BC001728	29844	pENTR223.1 or pUC	735
TGDS	CSB-CL023444HU	BC033675	23483	pENTR223.1	1053
TGFA	CSB-CL023445HU	BC005308	7039	pENTR223.1	480
TGFBI	CSB-CL618988HU2	BC000097	7045	pENTR223.1 or pUC	2052
TGFBR2	CSB-CL023452HU	BC040499	7048	pENTR223.1	1005
TGFBRAP1	CSB-CL819888HU	BC020548	9392	pENTR223.1 or pUC	2583
TGIF1	CSB-CL623005HU1	BC031268	7050	pENTR223.1 or pUC	1206
TGIF1	CSB-CL623005HU2	BC000814	7050	pENTR223.1 or pUC	819
TGIF2	CSB-CL884421HU	BC006549	60436	pENTR223.1	714
TGIF2LX	CSB-CL808534HU	BC117398	90316	pENTR223.1 or pUC	726
TGIF2LY	CSB-CL818228HU	BC128604	90655	pENTR223.1 or pUC	558
TGM2	CSB-CL023462HU	BC003551	7052	pUC	1647
TGM3	CSB-CL600462HU	BC109076	7053	pENTR223.1 or pUC	2082



Name	Code	Accession No.	Gene ID	Vector	Length
TGM4	CSB-CL023464HU	BC007003	7047	pENTR223.1 or pUC	2055
TGOLN2	CSB-CL023468HU1	BC028219	10618	pENTR223.1 or pUC	1344
TGOLN2	CSB-CL023468HU2	BC008461	10618	pENTR223.1 or pUC	1314
TGS1	CSB-CL847219HU	BC011999	96764	pENTR223.1 or pUC	426
THADA	CSB-CL751092HU1	BC025773	63892	pENTR223.1 or pUC	2025
THAP1	CSB-CL885741HU	BC021721	55145	pENTR223.1	642
THAP10	CSB-CL879076HU	BC027857	56906	pENTR223.1 or pUC	774
THAP11	CSB-CL846612HU	BC012182	57215	pENTR223.1 or pUC	942
THAP2	CSB-CL867124HU	BC008358	83591	pENTR223.1 or pUC	687
THAP4	CSB-CL841222HU1	BC000247	51078	pENTR223.1 or pUC	759
THAP4	CSB-CL841222HU2	BC000767	51078	pENTR223.1 or pUC	510
THAP5	CSB-CL772031HU	BC053634	168451	pENTR223.1 or pUC	702
THAP6	CSB-CL837421HU	BC022989	152815	pENTR223.1 or pUC	669
THAP7	CSB-CL874803HU	BC004346	80764	pENTR223.1 or pUC	930
THAP8	CSB-CL854085HU1	BC072416	199745	pENTR223.1 or pUC	825
THAP8	CSB-CL854085HU2	BC046207	199745	pENTR223.1 or pUC	825
THBS3	CSB-CL023489HU	BC113846	7059	pENTR223.1 or pUC	1458
THEG	CSB-CL868399HU	BC028574	51298	pENTR223.1 or pUC	1140
THEM5	CSB-CL023496HU	BC112239	284486	pENTR223.1 or pUC	744
THG1L	CSB-CL882126HU	BC001523	54974	pENTR223.1 or pUC	810
THNSL1	CSB-CL814234HU	BC016697	79896	pENTR223.1 or pUC	669
THOC3	CSB-CL822232HU	BC006849	84321	pENTR223.1 or pUC	1056
THOC7	CSB-CL746911HU	BC065012	80145	pENTR223.1 or pUC	615
THOP1	CSB-CL023508HU1	BC013878	7064	pENTR223.1 or pUC	2070
THOP1	CSB-CL023508HU2	BC002391	7064	pENTR223.1 or pUC	2070
THPO	CSB-CL023509HU	BC130322	7066	pENTR223.1	1050
THRA	CSB-CL023510HU	BC000261	7067	pENTR223.1 or pUC	1473



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THRB	CSB-CL023514HU	BC106929	7068	pENTR223.1 or pUC	1386
THRSP	CSB-CL846095HU	BC031989	7069	pENTR223.1 or pUC	441
THTPA	CSB-CL883600HU	BC002984	79178	pENTR223.1 or pUC	693
THUMPD1	CSB-CL873682HU	BC000448	55623	pENTR223.1 or pUC	1062
THUMPD2	CSB-CL866279HU	BC004163	80745	pENTR223.1 or pUC	1422
THUMPD3	CSB-CL887131HU1	BC010421	25917	pENTR223.1 or pUC	1524
THUMPD3	CSB-CL887131HU2	BC001622	25917	pENTR223.1 or pUC	1524
THYN1	CSB-CL023526HU	BC006978	29087	pENTR223.1 or pUC	501
TIA1	CSB-CL023527HU	BC015944	7072	pUC	645
TIAF1	CSB-CL023528HU	BC131561	9220	pENTR223.1 or pUC	348
TICAM2	CSB-CL774830HU	BC109266	353376	pENTR223.1 or pUC	708
TIE1	CSB-CL023534HU	BC038239	7075	pUC	3417
TIFA	CSB-CL839301HU	BC014259	92610	pENTR223.1 or pUC	555
TIGD4	CSB-CL818256HU	BC037869	201798	pENTR223.1 or pUC	1539
TIGD7	CSB-CL757502HU	BC069623	91151	pENTR223.1 or pUC	1650
TIGIT	CSB-CL675446HU	BC101289	201633	pENTR223.1	735
TIMD4	CSB-CL850304HU	BC008988	91937	pENTR223.1	1137
TIMM10	CSB-CL023548HU	BC032133	26519	pENTR223.1 or pUC	273
TIMM17A	CSB-CL860770HU	BC000294	10440	pENTR223.1 or pUC	516
TIMM17B	CSB-CL023551HU	BC010142	10245	pENTR223.1 or pUC	519
TIMM22	CSB-CL897498HU	BC002324	29928	pENTR223.1 or pUC	585
TIMM23	CSB-CL023553HU1	BC066951	10431	pENTR223.1 or pUC	630
TIMM23	CSB-CL023553HU2	BC062707	10431	pENTR223.1 or pUC	627
TIMM44	CSB-CL023555HU	BC033628	10469	pENTR223.1 or pUC	1359
TIMM8A	CSB-CL023557HU1	BC005236	1678	pENTR223.1 or pUC	219
TIMM8A	CSB-CL023557HU2	BC006994	1678	pENTR223.1 or pUC	294
TIMM8B	CSB-CL897567HU	BC000711	26521	pENTR223.1 or pUC	156



Name	Code	Accession No.	Gene ID	Vector	Length
TIMM9	CSB-CL897296HU	BC020213	26520	pENTR223.1 or pUC	270
TIMP1	CSB-CL023560HU1	BC000866	7076	pENTR223.1 or pUC	624
TIMP1	CSB-CL023560HU2	BC007097	7076	pENTR223.1 or pUC	510
TIMP3	CSB-CL023562HU	BC014277	7078	pENTR223.1	636
TIMP4	CSB-CL857872HU	BC010553	7079	pENTR223.1	675
TINAG	CSB-CL023564HU1	BC056235	27283	pENTR223.1 or pUC	423
TINAG	CSB-CL023564HU2	BC070278	27283	pENTR223.1 or pUC	1431
TINAGL1	CSB-CL875630HU1	BC009048	64129	pENTR223.1 or pUC	657
TINF2	CSB-CL874799HU	BC005030	26277	pENTR223.1 or pUC	1356
TIPIN	CSB-CL880115HU	BC000870	54962	pENTR223.1 or pUC	906
TIPRL	CSB-CL023569HU	BC009506	261726	pENTR223.1 or pUC	537
TIRAP	CSB-CL023570HU	BC032474	114609	pENTR223.1 or pUC	771
TJAP1	CSB-CL708486HU	BC046239	93643	pENTR223.1 or pUC	1674
TK1	CSB-CL023577HU1	BC007872	7083	pENTR223.1 or pUC	705
TK1	CSB-CL023577HU2	BC007986	7083	pENTR223.1 or pUC	705
TKT	CSB-CL023580HU2	BC002433	7086	pENTR223.1 or pUC	1374
TKTL1	CSB-CL023581HU	BC025382	8277	pENTR223.1	1791
TKTL2	CSB-CL872424HU2	BC125101	84076	pENTR223.1 or pUC	1881
TLE3	CSB-CL023587HU	BC041831	7090	pENTR223.1 or pUC	2319
TLE6	CSB-CL872514HU	BC020206	79816	pENTR223.1 or pUC	1350
TLK1	CSB-CL891950HU	BC032657	9874	pENTR223.1 or pUC	2301
TLK2	CSB-CL801231HU	BC044925	11011	pENTR223.1 or pUC	2316
TLR1	CSB-CL023599HU	BC109093	7096	pENTR223.1	2361
TLR10	CSB-CL023600HU	BC109112	81793	pENTR223.1 or pUC	2436
TLR2	CSB-CL023601HU	BC033756	7097	pENTR223.1	2355
TLR6	CSB-CL023605HU	BC111755	10333	pENTR223.1 or pUC	1443
TLR8	CSB-CL023607HU	BC101075	51311	pENTR223.1	3126



Name	Code	Accession No.	Gene ID	Vector	Length
TM2D1	CSB-CL887145HU	BC029486	83941	pUC	624
TM2D2	CSB-CL861157HU1	BC004878	83877	pENTR223.1 or pUC	450
TM2D2	CSB-CL861157HU2	BC109050	83877	pENTR223.1 or pUC	645
TM2D3	CSB-CL863106HU1	BC008873	80213	pENTR223.1 or pUC	666
TM2D3	CSB-CL863106HU2	BC006150	80213	pENTR223.1 or pUC	744
TM4SF1	CSB-CL023615HU1	BC008442	4071	pENTR223.1 or pUC	609
TM4SF18	CSB-CL842648HU	BC014339	116441	pENTR223.1 or pUC	606
TM4SF4	CSB-CL023619HU	BC001386	7104	pENTR223.1 or pUC	609
TM4SF5	CSB-CL023620HU	BC069519	9032	pENTR223.1 or pUC	594
TM6SF1	CSB-CL023621HU1	BC032007	53346	pENTR223.1 or pUC	438
TM6SF1	CSB-CL023621HU2	BC063487	53346	pENTR223.1 or pUC	567
TM7SF2	CSB-CL023623HU1	BC038353	7108	pENTR223.1 or pUC	1176
TM7SF2	CSB-CL023623HU2	BC012857	7108	pENTR223.1 or pUC	1257
TM7SF2	CSB-CL023623HU3	BC009052	7108	pENTR223.1 or pUC	1257
TM7SF3	CSB-CL023624HU	BC005176	51768	pENTR223.1 or pUC	1713
TM9SF1	CSB-CL023626HU	BC010856	10548	pENTR223.1 or pUC	1821
TM9SF3	CSB-CL023628HU	BC020959	56889	pENTR223.1 or pUC	1377
TMBIM1	CSB-CL853376HU1	BC026348	64114	pENTR223.1 or pUC	936
TMBIM4	CSB-CL884516HU	BC004401	51643	pENTR223.1 or pUC	141
TMC4	CSB-CL801804HU	BC032477	147798	pENTR223.1 or pUC	885
TMC5	CSB-CL754419HU2	BC038118	79838	pENTR223.1 or pUC	1944
TMC5	CSB-CL754419HU1	BC027602	79838	pENTR223.1 or pUC	2283
TMC6	CSB-CL768764HU1	BC035648	11322	pENTR223.1 or pUC	1335
TMC6	CSB-CL768764HU2	BC007766	11322	pENTR223.1 or pUC	636
TMCC1	CSB-CL023641HU	BC039859	23023	pENTR223.1 or pUC	1962
TMCC2	CSB-CL023643HU1	BC053876	9911	pENTR223.1 or pUC	939
TMCC2	CSB-CL023643HU2	BC131629	9911	pENTR223.1 or pUC	2130



Name	Code	Accession No.	Gene ID	Vector	Length
TMCO1	CSB-CL891784HU	BC000104	54499	pENTR223.1	567
TMCO3	CSB-CL754406HU1	BC012564	55002	pENTR223.1 or pUC	1245
TMCO3	CSB-CL754406HU2	BC068515	55002	pENTR223.1 or pUC	2034
TMCO5A	CSB-CL843283HU	BC029221	145942	pENTR223.1 or pUC	867
TMCO6	CSB-CL856916HU1	BC001910	55374	pENTR223.1 or pUC	762
TMCO6	CSB-CL856916HU2	BC009618	55374	pENTR223.1 or pUC	762
TMCO7	CSB-CL874863HU	BC015617	79613	pENTR223.1 or pUC	1872
TMED10	CSB-CL023655HU	BC001496	10972	pENTR223.1 or pUC	660
TMED2	CSB-CL618982HU	BC025957	10959	pENTR223.1 or pUC	606
TMED3	CSB-CL897107HU	BC000027	23423	pENTR223.1	654
TMED4	CSB-CL770365HU1	BC057851	222068	pENTR223.1 or pUC	684
TMED4	CSB-CL770365HU2	BC052641	222068	pENTR223.1 or pUC	684
TMED6	CSB-CL840991HU	BC020827	146456	pENTR223.1 or pUC	723
TMED9	CSB-CL880113HU	BC001123	54732	pENTR223.1 or pUC	708
TMEM100	CSB-CL023668HU	BC010128	55273	pENTR223.1 or pUC	405
TMEM101	CSB-CL023669HU	BC007438	84336	pENTR223.1 or pUC	774
TMEM106A	CSB-CL023673HU	BC012139	113277	pENTR223.1 or pUC	789
TMEM106B	CSB-CL023674HU1	BC033901	54664	pENTR223.1	825
TMEM106B	CSB-CL023674HU2	BC039741	54664	pENTR223.1 or pUC	825
TMEM106C	CSB-CL023675HU	BC000854	79022	pENTR223.1 or pUC	753
TMEM107	CSB-CL023676HU1	BC070231	84314	pENTR223.1 or pUC	420
TMEM107	CSB-CL023676HU2	BC127649	84314	pENTR223.1 or pUC	423
TMEM108	CSB-CL023677HU	BC000568	66000	pENTR223.1 or pUC	1728
TMEM109	CSB-CL023678HU	BC001309	79073	pUC	732
TMEM11	CSB-CL023679HU	BC002819	8834	pENTR223.1 or pUC	579
TMEM111	CSB-CL023681HU	BC022807	55831	pENTR223.1 or pUC	786
TMEM115	CSB-CL023683HU	BC011948	11070	pENTR223.1 or pUC	1056



Name	Code	Accession No.	Gene ID	Vector	Length
TMEM116	CSB-CL023684HU1	BC048796	89894	pENTR223.1 or pUC	738
TMEM116	CSB-CL023684HU2	BC022360	89894	pENTR223.1 or pUC	630
TMEM116	CSB-CL023684HU3	BC070135	89894	pENTR223.1 or pUC	738
TMEM117	CSB-CL023685HU	BC030284	84216	pENTR223.1 or pUC	1233
TMEM120A	CSB-CL023687HU1	BC029487	83862	pENTR223.1 or pUC	969
TMEM120A	CSB-CL023687HU2	BC051850	83862	pENTR223.1 or pUC	1032
TMEM120B	CSB-CL023688HU	BC127768	144404	pENTR223.1 or pUC	1020
TMEM123	CSB-CL839775HU	BC032296	114908	pENTR223.1 or pUC	627
TMEM126B	CSB-CL023693HU1	BC017574	55863	pENTR223.1 or pUC	333
TMEM126B	CSB-CL023693HU2	BC012065	55863	pENTR223.1 or pUC	603
TMEM126B	CSB-CL023693HU3	BC038933	55863	pENTR223.1 or pUC	603
TMEM128	CSB-CL023695HU	BC007729	85013	pENTR223.1 or pUC	426
TMEM129	CSB-CL023696HU1	BC009331	92305	pENTR223.1 or pUC	699
TMEM131	CSB-CL023698HU	BC036841	23505	pENTR223.1 or pUC	792
TMEM132D	CSB-CL023702HU	BC114626	121256	pUC	3300
TMEM135	CSB-CL023706HU	BC030952	65084	pENTR223.1 or pUC	483
TMEM139	CSB-CL023709HU	BC035517	135932	pENTR223.1 or pUC	651
TMEM140	CSB-CL023710HU	BC020942	55281	pENTR223.1 or pUC	558
TMEM141	CSB-CL023711HU	BC007834	85014	pENTR223.1 or pUC	327
TMEM143	CSB-CL023713HU	BC016919	55260	pENTR223.1 or pUC	1380
TMEM144	CSB-CL023714HU1	BC060875	55314	pENTR223.1 or pUC	1038
TMEM144	CSB-CL023714HU2	BC054487	55314	pENTR223.1 or pUC	1038
TMEM147	CSB-CL023717HU	BC001118	10430	pENTR223.1	675
TMEM14A	CSB-CL023720HU	BC015097	28978	pENTR223.1 or pUC	300
TMEM14B	CSB-CL023721HU1	BC001033	81853	pENTR223.1 or pUC	345
TMEM14B	CSB-CL023721HU2	BC007080	81853	pENTR223.1 or pUC	345
TMEM14B	CSB-CL023721HU3	BC013913	81853	pENTR223.1 or pUC	345



Name	Code	Accession No.	Gene ID	Vector	Length
TMEM14C	CSB-CL023722HU	BC002496	51522	pENTR223.1 or pUC	339
TMEM154	CSB-CL023729HU	BC060775	201799	pENTR223.1 or pUC	552
TMEM156	CSB-CL023731HU	BC030803	80008	pENTR223.1 or pUC	891
TMEM159	CSB-CL850262HU	BC015812	57146	pENTR223.1 or pUC	486
TMEM161A	CSB-CL023735HU	BC005210	54929	pENTR223.1 or pUC	1440
TMEM161B	CSB-CL023736HU	BC037287	153396	pENTR223.1 or pUC	1464
TMEM165	CSB-CL023739HU	BC003545	55858	pENTR223.1 or pUC	618
TMEM167A	CSB-CL855043HU	BC026285	153339	pENTR223.1 or pUC	219
TMEM168	CSB-CL023742HU	BC030804	64418	pENTR223.1 or pUC	1281
TMEM17	CSB-CL023750HU	BC047439	200728	pENTR223.1 or pUC	597
TMEM170A	CSB-CL023751HU	BC018082	124491	pENTR223.1 or pUC	435
TMEM171	CSB-CL023753HU1	BC035310	134285	pENTR223.1 or pUC	972
TMEM171	CSB-CL023753HU2	BC018083	134285	pENTR223.1 or pUC	975
TMEM173	CSB-CL023754HU	BC047779	340061	pENTR223.1	1140
TMEM174	CSB-CL023755HU	BC019346	134288	pENTR223.1 or pUC	732
TMEM176A	CSB-CL023757HU	BC008303	55365	pENTR223.1 or pUC	708
TMEM176B	CSB-CL023758HU	BC004358	28959	pENTR223.1 or pUC	813
TMEM177	CSB-CL023759HU	BC004404	80775	pENTR223.1 or pUC	936
TMEM18	CSB-CL023763HU	BC032379	129787	pENTR223.1 or pUC	384
TMEM182	CSB-CL023766HU1	BC020898	130827	pENTR223.1 or pUC	333
TMEM182	CSB-CL023766HU2	BC130306	130827	pENTR223.1 or pUC	690
TMEM183A	CSB-CL023767HU1	BC013073	92703	pENTR223.1 or pUC	1131
TMEM183A	CSB-CL023767HU2	BC067775	92703	pENTR223.1 or pUC	711
TMEM184B	CSB-CL023770HU	BC015489	25829	pENTR223.1 or pUC	1224
TMEM184C	CSB-CL023771HU	BC046128	55751	pENTR223.1 or pUC	786
TMEM185A	CSB-CL023772HU1	BC013793	84548	pENTR223.1 or pUC	519
TMEM185A	CSB-CL023772HU2	BC022405	84548	pENTR223.1 or pUC	273



Name	Code	Accession No.	Gene ID	Vector	Length
TMEM185A	CSB-CL023772HU3	BC103821	84548	pENTR223.1 or pUC	1053
TMEM185B	CSB-CL887995HU	BC016849	79134	pENTR223.1 or pUC	1053
TMEM186	CSB-CL023774HU	BC015912	25880	pENTR223.1 or pUC	642
TMEM187	CSB-CL023775HU	BC008203	8269	pENTR223.1 or pUC	786
TMEM19	CSB-CL023779HU	BC008596	55266	pENTR223.1 or pUC	1011
TMEM190	CSB-CL023780HU	BC128189	147744	pENTR223.1 or pUC	534
TMEM192	CSB-CL023784HU	BC036301	201931	pENTR223.1 or pUC	816
TMEM194A	CSB-CL023785HU	BC117436	23306	pENTR223.1 or pUC	1116
TMEM196	CSB-CL023788HU	BC030104	256130	pENTR223.1 or pUC	270
TMEM203	CSB-CL023797HU	BC009283	94107	pENTR223.1 or pUC	411
TMEM205	CSB-CL023799HU	BC064948	374882	pENTR223.1 or pUC	570
TMEM206	CSB-CL023800HU	BC006320	55248	pENTR223.1 or pUC	1053
TMEM207	CSB-CL023801HU	BC071780	131920	pENTR223.1 or pUC	441
TMEM208	CSB-CL023802HU1	BC013412	29100	pENTR223.1 or pUC	522
TMEM208	CSB-CL023802HU2	BC003080	29100	pENTR223.1 or pUC	522
TMEM208	CSB-CL023802HU3	BC021109	29100	pENTR223.1 or pUC	303
TMEM209	CSB-CL023803HU	BC057784	84928	pENTR223.1	1560
TMEM211	CSB-CL023805HU	BC130647	255349	pENTR223.1 or pUC	390
TMEM213	CSB-CL023807HU	BC131697	155006	pENTR223.1 or pUC	474
TMEM216	CSB-CL023810HU	BC011010	51259	pENTR223.1 or pUC	264
TMEM217	CSB-CL023811HU1	BC026012	221468	pENTR223.1 or pUC	636
TMEM218	CSB-CL023812HU	BC132716	219854	pENTR223.1 or pUC	348
TMEM220	CSB-CL023815HU	BC127705	388335	pENTR223.1 or pUC	483
TMEM222	CSB-CL023817HU	BC011579	84065	pENTR223.1 or pUC	567
TMEM27	CSB-CL881018HU	BC014317	57393	pENTR223.1 or pUC	669
TMEM30A	CSB-CL865146HU	BC009006	55754	pENTR223.1	978
TMEM31	CSB-CL023828HU	BC029575	203562	pENTR223.1 or pUC	501



Name	Code	Accession No.	Gene ID	Vector	Length
TMEM33	CSB-CL023829HU	BC000948	55161	pENTR223.1 or pUC	744
TMEM35	CSB-CL023830HU	BC078658	59353	pENTR223.1 or pUC	504
TMEM37	CSB-CL820182HU	BC046362	140738	pENTR223.1 or pUC	312
TMEM38A	CSB-CL880984HU	BC001195	79041	pENTR223.1 or pUC	900
TMEM38B	CSB-CL878900HU	BC000049	55151	pENTR223.1 or pUC	876
TMEM39A	CSB-CL023834HU1	BC003192	55254	pENTR223.1 or pUC	441
TMEM39A	CSB-CL023834HU2	BC021277	55254	pENTR223.1 or pUC	1467
TMEM39B	CSB-CL023835HU	BC004364	55116	pENTR223.1 or pUC	705
TMEM40	CSB-CL023836HU	BC020658	55287	pENTR223.1 or pUC	612
TMEM41A	CSB-CL023837HU	BC008043	90407	pENTR223.1 or pUC	795
TMEM43	CSB-CL023840HU1	BC008054	79188	pENTR223.1 or pUC	687
TMEM43	CSB-CL023840HU2	BC003125	79188	pENTR223.1 or pUC	1203
TMEM43	CSB-CL023840HU3	BC011719	79188	pENTR223.1 or pUC	1203
TMEM44	CSB-CL023841HU1	BC034353	93109	pENTR223.1 or pUC	516
TMEM44	CSB-CL023841HU2	BC014883	93109	pENTR223.1 or pUC	1191
TMEM45A	CSB-CL023842HU	BC040355	55076	pENTR223.1 or pUC	828
TMEM45B	CSB-CL023843HU	BC016153	120224	pENTR223.1 or pUC	828
TMEM47	CSB-CL023845HU	BC039242	83604	pENTR223.1 or pUC	546
TMEM50A	CSB-CL023849HU	BC007341	23585	pENTR223.1 or pUC	474
TMEM51	CSB-CL023851HU1	BC000202	55092	pENTR223.1 or pUC	762
TMEM51	CSB-CL023851HU2	BC005177	55092	pENTR223.1 or pUC	408
TMEM53	CSB-CL023853HU	BC064520	79639	pENTR223.1 or pUC	834
TMEM54	CSB-CL023854HU	BC001418	113452	pENTR223.1 or pUC	669
TMEM55A	CSB-CL023855HU	BC033892	55529	pENTR223.1 or pUC	774
TMEM55B	CSB-CL023856HU1	BC020947	90809	pENTR223.1 or pUC	834
TMEM56	CSB-CL023857HU	BC139737	148534	pENTR223.1 or pUC	792
TMEM59	CSB-CL023860HU1	BC016374	9528	pENTR223.1	975



Name	Code	Accession No.	Gene ID	Vector	Length
TMEM59	CSB-CL023860HU2	BC003106	9528	pENTR223.1 or pUC	903
TMEM59L	CSB-CL023861HU	BC010446	25789	pENTR223.1 or pUC	1029
TMEM60	CSB-CL023862HU	BC065930	85025	pENTR223.1 or pUC	396
TMEM61	CSB-CL023863HU	BC029775	199964	pENTR223.1 or pUC	633
TMEM62	CSB-CL023864HU	BC009981	80021	pENTR223.1 or pUC	1308
TMEM63A	CSB-CL023865HU	BC030245	9725	pENTR223.1 or pUC	2424
TMEM64	CSB-CL023868HU	BC113828	169200	pENTR223.1 or pUC	360
TMEM65	CSB-CL023869HU	BC032396	157378	pENTR223.1	537
TMEM66	CSB-CL853392HU	BC015012	51669	pENTR223.1 or pUC	1020
TMEM67	CSB-CL689243HU	BC032835	91147	pENTR223.1 or pUC	2958
TMEM68	CSB-CL023872HU	BC020835	137695	pENTR223.1 or pUC	408
TMEM69	CSB-CL023873HU1	BC013608	51249	pENTR223.1 or pUC	744
TMEM69	CSB-CL023873HU2	BC054041	51249	pENTR223.1 or pUC	84
TMEM71	CSB-CL023875HU	BC062592	137835	pENTR223.1 or pUC	831
TMEM72	CSB-CL023876HU	BC127790	643236	pENTR223.1 or pUC	828
TMEM74	CSB-CL023877HU	BC030710	157753	pENTR223.1 or pUC	918
TMEM79	CSB-CL023881HU	BC005094	84283	pENTR223.1 or pUC	1185
TMEM80	CSB-CL023883HU	BC008671	283232	pENTR223.1 or pUC	372
TMEM82	CSB-CL023885HU	BC127707	388595	pENTR223.1 or pUC	1035
TMEM85	CSB-CL023887HU1	BC016348	51234	pENTR223.1 or pUC	309
TMEM85	CSB-CL023887HU2	BC002583	51234	pENTR223.1 or pUC	450
TMEM86A	CSB-CL850787HU	BC035692	144110	pENTR223.1 or pUC	723
TMEM86B	CSB-CL822712HU	BC023000	255043	pENTR223.1 or pUC	681
TMEM87A	CSB-CL023890HU1	BC005335	25963	pENTR223.1 or pUC	546
TMEM87A	CSB-CL023890HU2	BC069240	25963	pENTR223.1 or pUC	1485
TMEM9	CSB-CL023894HU	BC001106	252839	pENTR223.1 or pUC	552
TMEM91	CSB-CL023896HU	BC063705	641649	pENTR223.1 or pUC	420



Name	Code	Accession No.	Gene ID	Vector	Length
TMEM93	CSB-CL023898HU	BC001409	83460	pENTR223.1 or pUC	333
TMEM95	CSB-CL023899HU	BC107110	339168	pENTR223.1 or pUC	531
TMEM98	CSB-CL023901HU	BC000526	26022	pENTR223.1 or pUC	681
TMEM99	CSB-CL023902HU	BC015365	147184	pENTR223.1 or pUC	568
TMEM9B	CSB-CL882071HU1	BC015884	56674	pENTR223.1 or pUC	375
TMEM9B	CSB-CL882071HU2	BC040124	56674	pENTR223.1 or pUC	597
TMIE	CSB-CL850875HU	BC126258	259236	pENTR223.1 or pUC	468
TMIGD2	CSB-CL850263HU	BC015655	126259	pENTR223.1 or pUC	849
TMLHE	CSB-CL865148HU	BC025269	55217	pENTR223.1 or pUC	1131
TMOD1	CSB-CL023909HU	BC002660	7111	pENTR223.1 or pUC	1080
TMOD2	CSB-CL882161HU	BC064961	29767	pENTR223.1 or pUC	1056
TMOD3	CSB-CL873694HU	BC020542	29766	pENTR223.1 or pUC	1059
TMOD4	CSB-CL885780HU	BC017810	29765	pENTR223.1 or pUC	1038
TMPRSS11A	CSB-CL757932HU	BC111796	339967	pENTR223.1	1257
TMPRSS11B	CSB-CL771428HU	BC126195	132724	pENTR223.1 or pUC	1251
TMPRSS11D	CSB-CL023918HU	BC125195	9407	pENTR223.1 or pUC	1257
TMPRSS11E	CSB-CL892142HU	BC113412	28983	pENTR223.1	1272
TMPRSS12	CSB-CL771459HU	BC048112	283471	pENTR223.1 or pUC	1047
TMPRSS13	CSB-CL863154HU	BC114928	84000	pENTR223.1 or pUC	1689
TMPRSS2	CSB-CL023924HU	BC051839	7113	pENTR223.1 or pUC	1479
TMPRSS4	CSB-CL865122HU1	BC011703	56649	pENTR223.1 or pUC	1314
TMPRSS6	CSB-CL808531HU	BC039082	164656	pENTR223.1 or pUC	1386
TMPRSS7	CSB-CL745764HU	BC117322	344805	pENTR223.1 or pUC	1719
TMSB10	CSB-CL023931HU1	BC016025	9168	pENTR223.1	135
TMSB10	CSB-CL023931HU2	BC016731	9168	pUC	135
TMSB4X	CSB-CL023934HU	BC101790	7114	pENTR223.1 or pUC	135
TMSB4Y	CSB-CL023935HU	BC022482	9087	pENTR223.1 or pUC	135



Name	Code	Accession No.	Gene ID	Vector	Length
TMTC1	CSB-CL808537HU2	BC028716	83857	pENTR223.1 or pUC	684
TMTC4	CSB-CL713124HU	BC018707	84899	pENTR223.1 or pUC	1188
TMUB1	CSB-CL861149HU	BC000936	83590	pENTR223.1 or pUC	741
TMUB2	CSB-CL747888HU1	BC001792	79089	pENTR223.1 or pUC	285
TMUB2	CSB-CL747888HU2	BC063489	79089	pENTR223.1 or pUC	906
TNF	CSB-CL023955HU	BC028148	7124	pENTR223.1	702
TNFAIP1	CSB-CL622686HU	BC001643	7126	pENTR223.1 or pUC	951
TNFAIP3	CSB-CL023958HU1	BC064689	7128	pENTR223.1	747
TNFAIP6	CSB-CL023959HU	BC030205	7130	pENTR223.1	834
TNFAIP8	CSB-CL023960HU1	BC005352	25816	pENTR223.1 or pUC	597
TNFAIP8	CSB-CL023960HU2	BC007014	25816	pENTR223.1 or pUC	597
TNFRSF10A	CSB-CL023964HU	BC012866	8797	pENTR223.1	1407
TNFRSF10B	CSB-CL023965HU	BC001281	8795	pENTR223.1	1323
TNFRSF10C	CSB-CL023966HU	BC125041	8794	pENTR223.1	780
TNFRSF10D	CSB-CL887006HU	BC052270	8793	pENTR223.1 or pUC	1161
TNFRSF13B	CSB-CL023971HU	BC109392	23495	pENTR223.1 or pUC	744
TNFRSF14	CSB-CL842173HU1	BC029848	8764	pENTR223.1	600
TNFRSF14	CSB-CL842173HU2	BC002794	8764	pENTR223.1 or pUC	852
TNFRSF1B	CSB-CL023978HU	BC052977	7133	pENTR223.1	1386
TNFRSF21	CSB-CL023979HU1	BC010241	27242	pENTR223.1	1419
TNFRSF21	CSB-CL023979HU3	BC005192	27242	pUC	375
TNFRSF21	CSB-CL023979HU2	BC017730	27242	pENTR223.1 or pUC	1968
TNFSF10	CSB-CL023985HU	BC032722	8743	pENTR223.1 or pUC	846
TNFSF11	CSB-CL023986HU	BC117286	8600	pENTR223.1 or pUC	954
TNFSF13	CSB-CL023989HU	BC008042	8741	pENTR223.1	744
TNFSF13B	CSB-CL897523HU	BC020674	10673	pENTR223.1	858
TNFSF14	CSB-CL023991HU	BC018058	8740	pENTR223.1 or pUC	534



Name	Code	Accession No.	Gene ID	Vector	Length
TNFSF18	CSB-CL891791HU	BC069319	8995	pENTR223.1 or pUC	534
TNIP3	CSB-CL836243HU	BC128408	79931	pENTR223.1 or pUC	978
TNNC1	CSB-CL024009HU	BC030244	7134	pENTR223.1 or pUC	486
TNNC2	CSB-CL024010HU	BC005323	7125	pENTR223.1 or pUC	483
TNNI1	CSB-CL024011HU	BC012600	7135	pENTR223.1 or pUC	564
TNNI2	CSB-CL024012HU	BC032148	7136	pENTR223.1 or pUC	549
TNNI3	CSB-CL024013HU	BC096165	7137	pENTR223.1	633
TNNT1	CSB-CL024015HU	BC010963	7138	pENTR223.1 or pUC	789
TNNT2	CSB-CL024016HU	BC002653	7139	pENTR223.1	858
TNNT3	CSB-CL024017HU	BC117327	7140	pENTR223.1 or pUC	753
TNP1	CSB-CL024018HU	BC029516	7141	pENTR223.1	168
TNP2	CSB-CL024019HU	BC096135	7142	pENTR223.1 or pUC	417
TNPO2	CSB-CL024021HU	BC072420	30000	pENTR223.1 or pUC	2664
TNRC6A	CSB-CL839859HU	BC068209	27327	pENTR223.1 or pUC	486
TNS3	CSB-CL731561HU	BC071791	64759	pENTR223.1 or pUC	753
TNXB	CSB-CL024036HU	BC033740	7148	pENTR223.1 or pUC	2022
TOB1	CSB-CL024037HU	BC031406	10140	pENTR223.1 or pUC	1038
TOE1	CSB-CL856942HU	BC009364	114034	pENTR223.1 or pUC	1533
TOLLIP	CSB-CL875640HU1	BC004420	54472	pENTR223.1 or pUC	825
TOLLIP	CSB-CL875640HU2	BC012057	54472	pENTR223.1	825
TOM1	CSB-CL024043HU	BC046151	10043	pENTR223.1 or pUC	1482
TOMM20	CSB-CL618983HU	BC000882	9804	pENTR223.1 or pUC	438
TOMM22	CSB-CL865128HU	BC009363	56993	pENTR223.1 or pUC	429
TOMM34	CSB-CL623014HU	BC001763	10953	pENTR223.1 or pUC	930
TOMM40L	CSB-CL853371HU	BC014946	84134	pENTR223.1 or pUC	927
TOMM6	CSB-CL856899HU	BC015975	100188893	pENTR223.1 or pUC	225
TOMM7	CSB-CL889171HU	BC001732	54543	pENTR223.1	168



Name	Code	Accession No.	Gene ID	Vector	Length
TOR1A	CSB-CL024067HU1	BC014484	1861	pENTR223.1	594
TOR1A	CSB-CL024067HU2	BC000674	1861	pENTR223.1 or pUC	999
TOR1AIP2	CSB-CL844047HU	BC112225	163590	pENTR223.1 or pUC	1413
TOR1B	CSB-CL024070HU1	BC006480	27348	pENTR223.1 or pUC	123
TOX	CSB-CL024073HU	BC016665	9760	pENTR223.1 or pUC	1581
TOX4	CSB-CL024076HU	BC013689	9878	pENTR223.1 or pUC	1866
TP53	CSB-CL024077HU	BC003596	7157	pENTR223.1	1182
TP53I11	CSB-CL024082HU	BC065557	9537	pENTR223.1 or pUC	366
TP53TG5	CSB-CL897086HU	BC036785	27296	pENTR223.1 or pUC	873
TP63	CSB-CL887971HU	BC039815	8626	pENTR223.1	2043
TPD52	CSB-CL024096HU	BC018117	7163	pENTR223.1 or pUC	555
TPD52L1	CSB-CL624123HU	BC002375	7164	pENTR223.1 or pUC	435
TPD52L2	CSB-CL024098HU	BC006804	7165	pENTR223.1 or pUC	621
TPD52L3	CSB-CL850316HU1	BC017589	89882	pENTR223.1 or pUC	399
TPD52L3	CSB-CL850316HU2	BC033792	89882	pENTR223.1 or pUC	411
TPH1	CSB-CL024100HU	BC106739	7166	pENTR223.1 or pUC	1335
TPH2	CSB-CL809000HU	BC114442	121278	pENTR223.1 or pUC	1491
TPI1	CSB-CL024102HU1	BC007086	7167	pENTR223.1	750
TPI1	CSB-CL024102HU2	BC017917	7167	pENTR223.1 or pUC	750
TPK1	CSB-CL024103HU	BC068460	27010	pENTR223.1 or pUC	732
TPM1	CSB-CL024104HU1	BC007433	7168	pENTR223.1	855
TPM3	CSB-CL024106HU1	BC008407	7170	pENTR223.1	858
TPM3	CSB-CL024106HU2	BC000771	7170	pENTR223.1 or pUC	747
TPM3	CSB-CL024106HU3	BC062740	7170	pENTR223.1 or pUC	477
TPM4	CSB-CL024108HU1	BC037576	7171	pENTR223.1	747
TPM4	CSB-CL024108HU2	BC002827	7171	pENTR223.1	747
TPMT	CSB-CL024110HU1	BC005339	7172	pENTR223.1 or pUC	738



Name	Code	Accession No.	Gene ID	Vector	Length
TPMT	CSB-CL024110HU2	BC009596	7172	pENTR223.1 or pUC	738
TPO	CSB-CL024112HU	BC063107	7173	pENTR223.1	525
TPP1	CSB-CL024113HU	BC014863	1200	pENTR223.1	1692
TPP2	CSB-CL024114HU	BC039905	7174	pUC	3750
TPPP	CSB-CL024115HU	BC131506	11076	pENTR223.1 or pUC	660
TPPP2	CSB-CL024116HU	BC038970	122664	pENTR223.1 or pUC	513
TPPP3	CSB-CL024117HU	BC000691	51673	pENTR223.1 or pUC	531
TPRKB	CSB-CL896710HU	BC029492	51002	pENTR223.1 or pUC	528
TPSAB1	CSB-CL621881HU	BC028059	7177	pENTR223.1 or pUC	828
TPST1	CSB-CL024132HU	BC013188	8460	pENTR223.1 or pUC	1113
TPST2	CSB-CL024133HU1	BC001057	8459	pENTR223.1 or pUC	1134
TPST2	CSB-CL024133HU2	BC017509	8459	pENTR223.1 or pUC	1134
TPT1	CSB-CL024134HU1	BC003352	7178	pENTR223.1 or pUC	519
TPT1	CSB-CL024134HU2	BC012431	7178	pENTR223.1 or pUC	519
TPT1	CSB-CL024134HU3	BC022436	7178	pENTR223.1 or pUC	417
TPTE	CSB-CL024136HU	BC028719	7179	pENTR223.1 or pUC	1602
TPTE2	CSB-CL757850HU	BC128146	93492	pENTR223.1 or pUC	1236
TRA2A	CSB-CL618790HU	BC017094	29896	pENTR223.1 or pUC	849
TRAF2	CSB-CL024147HU	BC032410	7186	pENTR223.1	1506
TRAF3IP1	CSB-CL848411HU	BC059174	26146	pENTR223.1	1878
TRAF3IP2	CSB-CL024150HU	BC002823	10758	pENTR223.1 or pUC	1698
TRAF3IP3	CSB-CL896865HU	BC130417	80342	pENTR223.1 or pUC	1656
TRAF4	CSB-CL024152HU	BC001769	9618	pENTR223.1 or pUC	1413
TRAF5	CSB-CL024153HU	BC029600	7188	pENTR223.1 or pUC	1674
TRAF6	CSB-CL024154HU	BC031052	7189	pUC	1569
TRAFD1	CSB-CL024156HU	BC003553	10906	pENTR223.1 or pUC	1749
TRAIP	CSB-CL866296HU	BC000310	10293	pENTR223.1	1410



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TRAK1	CSB-CL891465HU	BC015922	22906	pENTR223.1 or pUC	2067
TRAK2	CSB-CL024220HU	BC041330	66008	pENTR223.1 or pUC	2745
TRAM1	CSB-CL618990HU	BC000687	23471	pENTR223.1 or pUC	1125
TRAM1L1	CSB-CL847640HU	BC030831	133022	pENTR223.1 or pUC	1110
TRAM2	CSB-CL624011HU	BC028121	9697	pENTR223.1 or pUC	1113
TRAPPC2L	CSB-CL892461HU	BC011369	51693	pENTR223.1 or pUC	420
TRAPPC3	CSB-CL024229HU	BC007662	27095	pENTR223.1 or pUC	543
TRAPPC4	CSB-CL897085HU	BC010866	51399	pENTR223.1	660
TRAPPC6A	CSB-CL024232HU	BC001907	79090	pENTR223.1 or pUC	522
TRAPPC6B	CSB-CL803112HU	BC047328	122553	pENTR223.1 or pUC	393
TRAT1	CSB-CL764808HU	BC025713	50852	pENTR223.1 or pUC	561
TRDN	CSB-CL024398HU1	BC070290	10345	pENTR223.1 or pUC	504
TRDN	CSB-CL024398HU2	BC139910	10345	pENTR223.1 or pUC	894
TREH	CSB-CL024402HU	BC109206	11181	pENTR223.1 or pUC	1659
TREM1	CSB-CL024404HU	BC017773	54210	pENTR223.1 or pUC	705
TREML1	CSB-CL771477HU	BC100945	340205	pENTR223.1 or pUC	936
TREML2	CSB-CL729201HU	BC125078	79865	pENTR223.1 or pUC	1143
TREX1	CSB-CL865133HU	BC023630	11277	pENTR223.1	1110
TRGV3	CSB-CL024429HU	BC071739	6976	pENTR223.1 or pUC	603
TRHR	CSB-CL024441HU	BC113360	7201	pENTR223.1 or pUC	1197
TRIAP1	CSB-CL024443HU	BC002638	51499	pENTR223.1 or pUC	231
TRIB2	CSB-CL838778HU	BC002637	28951	pENTR223.1 or pUC	1032
TRIB3	CSB-CL847220HU	BC019363	57761	pENTR223.1	1077
TRIM11	CSB-CL856931HU	BC011629	81559	pENTR223.1	609
TRIM13	CSB-CL024450HU	BC003579	10206	pENTR223.1 or pUC	1224
TRIM15	CSB-CL887181HU	BC038585	89870	pENTR223.1 or pUC	1398
TRIM16	CSB-CL024453HU	BC053514	10626	pENTR223.1 or pUC	1695



Name	Code	Accession No.	Gene ID	Vector	Length
TRIM17	CSB-CL897559HU	BC033788	51127	pENTR223.1 or pUC	1434
TRIM2	CSB-CL861194HU	BC011052	23321	pENTR223.1 or pUC	2235
TRIM21	CSB-CL024457HU	BC010861	6737	pENTR223.1	1428
TRIM23	CSB-CL024459HU	BC022510	373	pENTR223.1 or pUC	1725
TRIM29	CSB-CL618875HU2	BC010644	23650	pENTR223.1 or pUC	1341
TRIM29	CSB-CL618875HU1	BC017352	23650	pENTR223.1 or pUC	1767
TRIM31	CSB-CL883650HU1	BC016866	11074	pENTR223.1	345
TRIM31	CSB-CL883650HU2	BC017017	11074	pENTR223.1 or pUC	1278
TRIM32	CSB-CL614389HU	BC003154	22954	pENTR223.1 or pUC	1962
TRIM35	CSB-CL892166HU	BC018337	23087	pENTR223.1 or pUC	621
TRIM36	CSB-CL868285HU	BC130334	55521	pENTR223.1 or pUC	2187
TRIM37	CSB-CL024474HU	BC036012	4591	pENTR223.1 or pUC	2895
TRIM38	CSB-CL024475HU	BC026930	10475	pENTR223.1 or pUC	1398
TRIM39	CSB-CL881029HU1	BC007661	56658	pENTR223.1	1467
TRIM39	CSB-CL881029HU2	BC034985	56658	pENTR223.1 or pUC	1467
TRIM43	CSB-CL836189HU	BC015353	129868	pENTR223.1 or pUC	1341
TRIM44	CSB-CL836200HU	BC013166	54765	pENTR223.1 or pUC	1035
TRIM48	CSB-CL818248HU	BC001862	79097	pENTR223.1 or pUC	627
TRIM49	CSB-CL317654HU1	BC126472	57093	pENTR223.1 or pUC	1359
TRIM49	CSB-CL317654HU2	BC126470	57093	pENTR223.1 or pUC	1359
TRIM5	CSB-CL874861HU	BC021258	85363	pENTR223.1	1044
TRIM52	CSB-CL836178HU	BC007372	84851	pENTR223.1 or pUC	894
TRIM54	CSB-CL861180HU	BC141807	57159	pENTR223.1 or pUC	1077
TRIM55	CSB-CL880142HU	BC007750	84675	pENTR223.1 or pUC	1359
TRIM59	CSB-CL808999HU	BC109260	286827	pENTR223.1	1212
TRIM60	CSB-CL670964HU	BC100983	166655	pENTR223.1 or pUC	1416
TRIM65	CSB-CL750884HU	BC013181	201292	pENTR223.1 or pUC	363



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TRIM69	CSB-CL774824HU	BC033314	140691	pENTR223.1 or pUC	1026
TRIM73	CSB-CL773034HU	BC033812	375593	pENTR223.1 or pUC	240
TRIM74	CSB-CL801235HU	BC033871	378108	pENTR223.1 or pUC	750
TRIM9	CSB-CL880153HU1	BC013414	114088	pENTR223.1 or pUC	1653
TRIML1	CSB-CL822741HU	BC015684	339976	pENTR223.1 or pUC	579
TRIP10	CSB-CL624029HU	BC013002	9322	pENTR223.1 or pUC	1638
TRIP11	CSB-CL620888HU	BC002656	9321	pENTR223.1 or pUC	243
TRIP13	CSB-CL623008HU	BC000404	9319	pENTR223.1 or pUC	1299
TRIP4	CSB-CL618991HU	BC012448	9325	pENTR223.1 or pUC	1746
TRIP6	CSB-CL620889HU3	BC002680	7205	pENTR223.1 or pUC	1425
TRIT1	CSB-CL867142HU1	BC010741	54802	pENTR223.1 or pUC	975
TRMT1	CSB-CL882134HU1	BC002492	55621	pENTR223.1	1980
TRMT1	CSB-CL882134HU2	BC018302	55621	pENTR223.1 or pUC	1893
TRMT12	CSB-CL687495HU	BC011713	55039	pENTR223.1 or pUC	1347
TRMT2A	CSB-CL810310HU	BC013352	27037	pENTR223.1 or pUC	1878
TRMT6	CSB-CL891716HU	BC001262	51605	pENTR223.1 or pUC	1494
TRMU	CSB-CL024545HU1	BC080631	55687	pENTR223.1 or pUC	669
TRMU	CSB-CL024545HU2	BC027991	55687	pENTR223.1 or pUC	804
TRNAU1AP	CSB-CL882127HU1	BC039879	54952	pENTR223.1 or pUC	534
TRNAU1AP	CSB-CL882127HU2	BC000680	54952	pENTR223.1 or pUC	864
TRNT1	CSB-CL836282HU1	BC005184	51095	pENTR223.1 or pUC	174
TRNT1	CSB-CL836282HU2	BC012537	51095	pENTR223.1 or pUC	1218
TROAP	CSB-CL618632HU2	BC011597	10024	pENTR223.1 or pUC	435
TROAP	CSB-CL618632HU1	BC032583	10024	pENTR223.1 or pUC	2337
TROVE2	CSB-CL025071HU	BC036658	6738	pENTR223.1 or pUC	1617
TRPC4	CSB-CL880064HU	BC104725	7223	pENTR223.1 or pUC	2934
TRPC7	CSB-CL888031HU	BC128185	57113	pENTR223.1 or pUC	2589



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TRPM1	CSB-CL773791HU	BC058286	4308	pENTR223.1 or pUC	411
TRPM8	CSB-CL768757HU1	BC001135	79054	pENTR223.1 or pUC	579
TRPM8	CSB-CL768757HU2	BC126342	79054	pENTR223.1 or pUC	2049
TRPS1	CSB-CL883395HU	BC125020	7227	pENTR223.1 or pUC	2562
TRPT1	CSB-CL769771HU	BC005133	83707	pENTR223.1 or pUC	615
TRPV5	CSB-CL885690HU	BC034740	56302	pENTR223.1 or pUC	1146
TRPV6	CSB-CL861992HU	BC034814	55503	pENTR223.1	321
TRUB1	CSB-CL851978HU	BC030601	142940	pENTR223.1 or pUC	1050
TRUB2	CSB-CL025106HU	BC001457	26995	pENTR223.1 or pUC	996
TSC1	CSB-CL849764HU	BC047772	7248	pENTR223.1	1101
TSC22D1	CSB-CL623011HU	BC000456	8848	pENTR223.1 or pUC	435
TSC22D3	CSB-CL860343HU	BC018148	1831	pENTR223.1 or pUC	234
TSEN2	CSB-CL850858HU	BC004178	80746	pENTR223.1 or pUC	1398
TSG101	CSB-CL860355HU	BC002487	7251	pENTR223.1 or pUC	1173
TSGA10	CSB-CL863172HU	BC028366	80705	pENTR223.1 or pUC	2097
TSGA10IP	CSB-CL660950HU	BC104023	254187	pENTR223.1 or pUC	1212
TSGA13	CSB-CL842737HU	BC038415	114960	pENTR223.1 or pUC	828
TSHB	CSB-CL025130HU	BC069298	7252	pENTR223.1	417
TSHR	CSB-CL025131HU1	BC009237	7253	pENTR223.1 or pUC	762
TSHR	CSB-CL025131HU2	BC024205	7253	pENTR223.1 or pUC	762
TSHZ3	CSB-CL734015HU	BC127095	57616	pENTR223.1 or pUC	2697
TSLP	CSB-CL025141HU	BC016720	85480	pENTR223.1 or pUC	183
TSNARE1	CSB-CL822269HU1	BC113556	203062	pENTR223.1 or pUC	1542
TSNARE1	CSB-CL822269HU2	BC126343	203062	pENTR223.1 or pUC	1545
TSNAX	CSB-CL858718HU	BC010376	7257	pENTR223.1 or pUC	873
TSPAN1	CSB-CL025146HU	BC007290	10103	pENTR223.1 or pUC	726
TSPAN12	CSB-CL025149HU	BC031265	23554	pENTR223.1 or pUC	918



Name	Code	Accession No.	Gene ID	Vector	Length
TSPAN14	CSB-CL847712HU	BC002920	81619	pENTR223.1 or pUC	762
TSPAN15	CSB-CL025152HU	BC003157	23555	pENTR223.1 or pUC	885
TSPAN16	CSB-CL892335HU	BC029908	26526	pENTR223.1 or pUC	483
TSPAN17	CSB-CL846621HU1	BC067105	26262	pENTR223.1 or pUC	990
TSPAN17	CSB-CL846621HU2	BC010405	26262	pENTR223.1 or pUC	792
TSPAN18	CSB-CL853503HU	BC019342	90139	pENTR223.1 or pUC	804
TSPAN2	CSB-CL025157HU	BC021675	10100	pENTR223.1	666
TSPAN3	CSB-CL025158HU1	BC004280	10099	pENTR223.1 or pUC	762
TSPAN3	CSB-CL025158HU2	BC000704	10099	pENTR223.1 or pUC	759
TSPAN31	CSB-CL622522HU	BC010377	6302	pENTR223.1 or pUC	633
TSPAN32	CSB-CL842746HU	BC016693	10077	pENTR223.1 or pUC	777
TSPAN33	CSB-CL768209HU	BC044244	340348	pENTR223.1 or pUC	852
TSPAN4	CSB-CL025162HU	BC000389	7106	pENTR223.1 or pUC	717
TSPAN5	CSB-CL025163HU	BC009704	10098	pENTR223.1 or pUC	807
TSPAN6	CSB-CL025164HU	BC012389	7105	pENTR223.1 or pUC	738
TSPAN7	CSB-CL025165HU	BC018036	7102	pENTR223.1 or pUC	750
TSPAN8	CSB-CL025166HU	BC005246	7103	pENTR223.1 or pUC	714
TSPO	CSB-CL025168HU	BC001110	706	pENTR223.1	510
TSPYL4	CSB-CL883451HU	BC009116	23270	pENTR223.1 or pUC	636
TSR1	CSB-CL651478HU1	BC019090	55720	pENTR223.1	1971
TSR1	CSB-CL651478HU2	BC126110	55720	pENTR223.1 or pUC	2415
TSR2	CSB-CL836166HU	BC011825	90121	pENTR223.1 or pUC	576
TSSC1	CSB-CL681508HU	BC002485	7260	pENTR223.1 or pUC	1164
TSSC4	CSB-CL897299HU1	BC050616	10078	pENTR223.1 or pUC	798
TSSC4	CSB-CL897299HU2	BC006091	10078	pENTR223.1 or pUC	990
TSSK1B	CSB-CL880125HU	BC022515	83942	pENTR223.1 or pUC	1104
TSSK3	CSB-CL850410HU	BC035354	81629	pENTR223.1 or pUC	807



Name	Code	Accession No.	Gene ID	Vector	Length
TSSK4	CSB-CL757734HU	BC111088	283629	pENTR223.1 or pUC	759
TSTA3	CSB-CL619783HU	BC001941	7264	pENTR223.1 or pUC	966
TTC1	CSB-CL860345HU	BC000942	7265	pENTR223.1 or pUC	879
TTC12	CSB-CL862040HU	BC032355	54970	pENTR223.1 or pUC	2199
TTC14	CSB-CL839379HU	BC027990	151613	pENTR223.1 or pUC	2313
TTC16	CSB-CL850870HU	BC031281	158248	pENTR223.1 or pUC	2622
TTC18	CSB-CL729198HU	BC032856	118491	pUC	3366
TTC19	CSB-CL724947HU	BC011698	54902	pENTR223.1 or pUC	822
TTC21A	CSB-CL836725HU1	BC062621	199223	pENTR223.1 or pUC	864
TTC23	CSB-CL716590HU	BC015728	64927	pENTR223.1 or pUC	1182
TTC25	CSB-CL836268HU1	BC025390	83538	pENTR223.1 or pUC	879
TTC25	CSB-CL836268HU2	BC067297	83538	pENTR223.1 or pUC	1998
TTC26	CSB-CL025219HU1	BC013912	79989	pENTR223.1 or pUC	816
TTC27	CSB-CL757569HU	BC063791	55622	pENTR223.1 or pUC	2532
TTC29	CSB-CL854084HU	BC024193	83894	pENTR223.1 or pUC	960
TTC30A	CSB-CL803138HU	BC042848	92104	pENTR223.1 or pUC	1998
TTC30B	CSB-CL818703HU	BC033795	150737	pENTR223.1 or pUC	1998
TTC31	CSB-CL672102HU	BC098365	64427	pENTR223.1 or pUC	1077
TTC32	CSB-CL686303HU	BC057850	130502	pENTR223.1 or pUC	456
TTC33	CSB-CL747492HU	BC015701	23548	pENTR223.1 or pUC	789
TTC35	CSB-CL613578HU1	BC021667	9694	pENTR223.1 or pUC	894
TTC35	CSB-CL613578HU2	BC020753	9694	pENTR223.1 or pUC	894
TTC38	CSB-CL719094HU	BC018918	55020	pENTR223.1 or pUC	1410
TTC39C	CSB-CL843270HU	BC121034	125488	pENTR223.1 or pUC	1569
TTC4	CSB-CL025238HU	BC001276	7268	pENTR223.1 or pUC	1164
TTC5	CSB-CL822676HU	BC030822	91875	pENTR223.1 or pUC	1323
TTC7A	CSB-CL890754HU	BC114365	57217	pENTR223.1 or pUC	1515



Name	Code	Accession No.	Gene ID	Vector	Length
TTC8	CSB-CL848389HU	BC026351	123016	pENTR223.1 or pUC	1596
TTC9C	CSB-CL836671HU	BC053665	283237	pENTR223.1 or pUC	516
TTK	CSB-CL025251HU1	BC000633	7272	pENTR223.1 or pUC	2574
TTK	CSB-CL025251HU2	BC032858	7272	pENTR223.1 or pUC	2574
TTL	CSB-CL822788HU	BC036819	150465	pENTR223.1	1134
TTLL1	CSB-CL025253HU	BC014968	25809	pENTR223.1 or pUC	1272
TTLL2	CSB-CL863137HU1	BC047411	83887	pENTR223.1 or pUC	1779
TTLL5	CSB-CL715737HU	BC002766	23093	pENTR223.1 or pUC	810
TTLL6	CSB-CL818727HU	BC033563	284076	pENTR223.1 or pUC	1710
TTLL7	CSB-CL765082HU1	BC048970	79739	pENTR223.1	1632
TTLL9	CSB-CL667484HU	BC104024	164395	pENTR223.1 or pUC	693
TTR	CSB-CL025270HU	BC005310	7276	pENTR223.1	444
TTYH1	CSB-CL867139HU	BC019358	57348	pENTR223.1 or pUC	720
TTYH2	CSB-CL871565HU	BC107602	94015	pENTR223.1 or pUC	1605
TUBA1A	CSB-CL754656HU	BC006468	7846	pENTR223.1 or pUC	1356
TUBA1B	CSB-CL025307HU1	BC017004	10376	pENTR223.1	1356
TUBA1B	CSB-CL025307HU2	BC000696	10376	pENTR223.1	1356
TUBA1B	CSB-CL025307HU3	BC009512	10376	pENTR223.1 or pUC	1356
TUBA1B	CSB-CL025307HU4	BC021564	10376	pENTR223.1 or pUC	1008
TUBA1B	CSB-CL025307HU5	BC071904	10376	pENTR223.1 or pUC	1356
TUBA3C	CSB-CL621695HU	BC011721	7278	pENTR223.1	1257
TUBA3E	CSB-CL754255HU	BC057811	112714	pENTR223.1 or pUC	1353
TUBA4A	CSB-CL025313HU	BC009238	7277	pENTR223.1	1347
TUBAL3	CSB-CL025315HU	BC098247	79861	pENTR223.1 or pUC	1221
TUBB	CSB-CL025318HU1	BC001938	203068	pENTR223.1 or pUC	1335
TUBB	CSB-CL025318HU2	BC062532	203068	pENTR223.1 or pUC	375
TUBB1	CSB-CL867148HU	BC033679	81027	pENTR223.1 or pUC	1356



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TUBB2A	CSB-CL615721HU1	BC001194	7280	pENTR223.1 or pUC	1338
TUBB2B	CSB-CL866291HU	BC001352	347733	pENTR223.1 or pUC	1338
TUBB3	CSB-CL623813HU	BC000748	10381	pENTR223.1	1353
TUBD1	CSB-CL891939HU	BC000258	51174	pENTR223.1 or pUC	1197
TUBE1	CSB-CL890909HU1	BC025405	51175	pENTR223.1 or pUC	1428
TUBE1	CSB-CL890909HU2	BC031101	51175	pENTR223.1 or pUC	1428
TUBG1	CSB-CL025334HU	BC000619	7283	pENTR223.1 or pUC	1356
TUBG2	CSB-CL873636HU	BC009670	27175	pENTR223.1 or pUC	1356
TUBGCP3	CSB-CL856913HU1	BC007763	10426	pENTR223.1 or pUC	1305
TUBGCP3	CSB-CL856913HU2	BC013781	10426	pENTR223.1 or pUC	2475
TUBGCP4	CSB-CL871402HU2	BC000966	27229	pENTR223.1 or pUC	1029
TUBGCP4	CSB-CL871402HU1	BC009870	27229	pENTR223.1 or pUC	2001
TUFM	CSB-CL025342HU	BC001633	7284	pENTR223.1 or pUC	1368
TUFT1	CSB-CL868268HU1	BC008301	7286	pENTR223.1 or pUC	1173
TUFT1	CSB-CL868268HU2	BC002933	7286	pENTR223.1 or pUC	1098
TULP1	CSB-CL025346HU	BC032714	7287	pENTR223.1 or pUC	1470
TULP2	CSB-CL025347HU	BC026070	7288	pENTR223.1 or pUC	1563
TULP3	CSB-CL025348HU	BC032587	7289	pENTR223.1 or pUC	1329
TUSC3	CSB-CL025352HU	BC010370	7991	pENTR223.1 or pUC	1044
TUT1	CSB-CL884477HU1	BC005013	64852	pENTR223.1 or pUC	1608
TWF1	CSB-CL622511HU	BC022344	5756	pENTR223.1 or pUC	759
TWF2	CSB-CL764224HU1	BC016452	11344	pENTR223.1 or pUC	1050
TWF2	CSB-CL764224HU2	BC003161	11344	pENTR223.1 or pUC	1050
TWISTNB	CSB-CL658940HU	BC130298	221830	pENTR223.1 or pUC	1017
TWSG1	CSB-CL863935HU	BC020490	57045	pENTR223.1 or pUC	672
TXLNA	CSB-CL025363HU1	BC103823	200081	pENTR223.1 or pUC	1641
TXLNA	CSB-CL025363HU2	BC080578	200081	pENTR223.1 or pUC	1641



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TXLNB	CSB-CL854032HU	BC115383	167838	pENTR223.1 or pUC	2055
TXN2	CSB-CL857458HU	BC013726	25828	pENTR223.1 or pUC	501
TXNDC11	CSB-CL761361HU	BC013727	51061	pENTR223.1 or pUC	993
TXNDC12	CSB-CL025371HU1	BC001493	51060	pENTR223.1 or pUC	519
TXNDC12	CSB-CL025371HU2	BC008913	51060	pENTR223.1 or pUC	519
TXNDC17	CSB-CL874790HU	BC006405	84817	pENTR223.1	372
TXNDC3	CSB-CL843151HU	BC036816	51314	pENTR223.1	1767
TXNDC5	CSB-CL847679HU	BC052310	81567	pENTR223.1 or pUC	1083
TXNDC8	CSB-CL718200HU	BC130549	255220	pENTR223.1 or pUC	348
TXNDC9	CSB-CL025382HU	BC024223	10190	pENTR223.1 or pUC	567
TXNL1	CSB-CL025384HU	BC001156	9352	pENTR223.1 or pUC	870
TXNL4A	CSB-CL025386HU	BC001046	10907	pENTR223.1 or pUC	429
TXNL4B	CSB-CL868342HU	BC009646	54957	pENTR223.1 or pUC	450
TXNRD1	CSB-CL613705HU	BC018122	7296	pENTR223.1 or pUC	1500
TXNRD2	CSB-CL885675HU1	BC007489	10587	pENTR223.1 or pUC	1287
TXNRD2	CSB-CL885675HU2	BC117354	10587	pENTR223.1 or pUC	1479
TXNRD2	CSB-CL885675HU3	BC099923	10587	pENTR223.1 or pUC	1017
TYMP	CSB-CL025392HU2	BC052211	1890	pENTR223.1 or pUC	1449
TYR	CSB-CL025394HU	BC027179	7299	pUC	1134
TYROBP	CSB-CL025398HU	BC011175	7305	pENTR223.1 or pUC	342
TYW1B	CSB-CL750749HU	BC068520	441250	pENTR223.1 or pUC	2007
U2AF1L4	CSB-CL837850HU	BC021186	199746	pENTR223.1 or pUC	609
UAP1	CSB-CL618067HU	BC009377	6675	pENTR223.1 or pUC	1518
UBA3	CSB-CL851532HU	BC022853	9039	pENTR223.1 or pUC	1392
UBA5	CSB-CL875638HU	BC009737	79876	pENTR223.1 or pUC	1215
UBA6	CSB-CL025420HU1	BC031637	55236	pENTR223.1	1170
UBA7	CSB-CL025421HU	BC006378	7318	pUC	3039



Name	Code	Accession No.	Gene ID	Vector	Length
UBAC1	CSB-CL887116HU	BC004967	10422	pENTR223.1	1218
UBAC2	CSB-CL854093HU1	BC072674	337867	pENTR223.1 or pUC	474
UBAC2	CSB-CL854093HU2	BC121139	337867	pENTR223.1 or pUC	696
UBAP1	CSB-CL873701HU	BC098141	51271	pENTR223.1 or pUC	1509
UBASH3B	CSB-CL840585HU	BC007541	84959	pENTR223.1 or pUC	1950
UBC	CSB-CL316735HU	BC014880	7316	pENTR223.1 or pUC	918
UBD	CSB-CL025435HU	BC012472	10537	pENTR223.1 or pUC	498
UBE2A	CSB-CL025438HU	BC010175	7319	pENTR223.1 or pUC	459
UBE2B	CSB-CL025439HU	BC005979	7320	pENTR223.1 or pUC	459
UBE2C	CSB-CL025440HU	BC007656	11065	pENTR223.1	540
UBE2D1	CSB-CL025443HU	BC005980	7321	pENTR223.1 or pUC	444
UBE2D3	CSB-CL025445HU1	BC003395	7323	pENTR223.1 or pUC	444
UBE2D3	CSB-CL025445HU2	BC066917	7323	pENTR223.1 or pUC	444
UBE2D4	CSB-CL896498HU	BC004104	51619	pENTR223.1 or pUC	444
UBE2DNL	CSB-CL810279HU	BC040290	100131816	pENTR223.1 or pUC	228
UBE2E2	CSB-CL850386HU	BC022332	7325	pENTR223.1 or pUC	606
UBE2E3	CSB-CL839280HU	BC003554	10477	pENTR223.1 or pUC	624
UBE2F	CSB-CL850248HU	BC010549	140739	pENTR223.1 or pUC	558
UBE2G1	CSB-CL025453HU	BC002775	7326	pENTR223.1 or pUC	513
UBE2G2	CSB-CL025454HU	BC001738	7327	pENTR223.1 or pUC	498
UBE2H	CSB-CL025455HU	BC006277	7328	pENTR223.1 or pUC	552
UBE2I	CSB-CL025457HU1	BC000744	7329	pENTR223.1 or pUC	555
UBE2I	CSB-CL025457HU2	BC000427	7329	pENTR223.1 or pUC	477
UBE2J2	CSB-CL843143HU	BC113430	118424	pENTR223.1 or pUC	780
UBE2K	CSB-CL025460HU	BC022804	3093	pENTR223.1 or pUC	603
UBE2L6	CSB-CL025466HU	BC032491	9246	pENTR223.1 or pUC	462
UBE2M	CSB-CL025468HU	BC058924	9040	pENTR223.1	552



Name	Code	Accession No.	Gene ID	Vector	Length
UBE2O	CSB-CL866339HU1	BC022237	63893	pENTR223.1 or pUC	1401
UBE2Q1	CSB-CL800227HU	BC015316	55585	pENTR223.1	216
UBE2Q2	CSB-CL845153HU1	BC017708	92912	pENTR223.1 or pUC	1128
UBE2R2	CSB-CL765138HU	BC004862	54926	pENTR223.1 or pUC	717
UBE2S	CSB-CL623095HU1	BC004236	27338	pENTR223.1 or pUC	669
UBE2S	CSB-CL623095HU2	BC066948	27338	pENTR223.1 or pUC	669
UBE2T	CSB-CL878841HU	BC004152	29089	pENTR223.1 or pUC	594
UBE2U	CSB-CL716578HU	BC029895	148581	pENTR223.1 or pUC	681
UBE2V1	CSB-CL025482HU	BC000468	7335	pENTR223.1 or pUC	444
UBE2V2	CSB-CL025484HU	BC007051	7336	pENTR223.1 or pUC	438
UBE2W	CSB-CL842638HU1	BC016326	55284	pENTR223.1 or pUC	456
UBE2W	CSB-CL842638HU2	BC010900	55284	pENTR223.1 or pUC	480
UBE2Z	CSB-CL875692HU	BC015890	65264	pENTR223.1 or pUC	741
UBE3B	CSB-CL767194HU1	BC051266	89910	pENTR223.1	735
UBE3C	CSB-CL621871HU2	BC026241	9690	pENTR223.1	1215
UBE3C	CSB-CL621871HU1	BC014029	9690	pENTR223.1	1950
UBL3	CSB-CL025498HU	BC059385	5412	pENTR223.1 or pUC	354
UBL4A	CSB-CL025499HU	BC043346	8266	pENTR223.1 or pUC	474
UBL4B	CSB-CL854061HU	BC058929	164153	pENTR223.1 or pUC	525
UBL5	CSB-CL880150HU	BC007053	59286	pENTR223.1 or pUC	222
UBL7	CSB-CL850429HU	BC007913	84993	pENTR223.1 or pUC	1143
UBLCP1	CSB-CL851974HU	BC013425	134510	pENTR223.1 or pUC	957
UBOX5	CSB-CL025507HU	BC000515	22888	pENTR223.1 or pUC	1626
UBQLN1	CSB-CL892477HU1	BC039294	29979	pENTR223.1 or pUC	1770
UBQLN4	CSB-CL878872HU	BC006410	56893	pENTR223.1 or pUC	189
UBQLNL	CSB-CL811630HU	BC012183	143630	pENTR223.1	1398
UBR2	CSB-CL809001HU	BC064512	23304	pENTR223.1 or pUC	1320



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UBR3	CSB-CL757959HU	BC113010	130507	pENTR223.1 or pUC	2055
UBR7	CSB-CL839822HU1	BC015046	55148	pENTR223.1 or pUC	825
UBR7	CSB-CL839822HU2	BC017013	55148	pENTR223.1 or pUC	1086
UBTD1	CSB-CL884502HU	BC007331	80019	pENTR223.1 or pUC	684
UBTD2	CSB-CL845144HU	BC019910	92181	pENTR223.1 or pUC	573
UBXN10	CSB-CL836251HU	BC047428	127733	pENTR223.1 or pUC	843
UBXN11	CSB-CL725561HU	BC038106	91544	pENTR223.1 or pUC	975
UBXN2B	CSB-CL614827HU	BC113645	137886	pENTR223.1 or pUC	996
UBXN4	CSB-CL842131HU2	BC020806	23190	pENTR223.1 or pUC	288
UBXN4	CSB-CL842131HU1	BC035594	23190	pENTR223.1 or pUC	1527
UBXN6	CSB-CL874859HU	BC008288	80700	pENTR223.1 or pUC	1167
UBXN8	CSB-CL025539HU	BC020694	7993	pENTR223.1 or pUC	813
UCHL1	CSB-CL025541HU	BC000332	7345	pENTR223.1 or pUC	672
UCHL3	CSB-CL025543HU	BC018125	7347	pENTR223.1 or pUC	693
UCHL5	CSB-CL896738HU1	BC015521	51377	pENTR223.1 or pUC	987
UCHL5	CSB-CL896738HU2	BC025369	51377	pENTR223.1 or pUC	981
UCK1	CSB-CL025546HU	BC015547	83549	pENTR223.1 or pUC	606
UCN2	CSB-CL822298HU	BC002647	90226	pENTR223.1	339
UCN3	CSB-CL846570HU	BC069530	114131	pENTR223.1 or pUC	486
UCP1	CSB-CL025554HU	BC098168	7350	pENTR223.1 or pUC	924
UCP2	CSB-CL025555HU	BC011737	7351	pENTR223.1 or pUC	930
UCP3	CSB-CL025556HU	BC008392	7352	pENTR223.1 or pUC	630
UEVLD	CSB-CL816897HU1	BC011011	55293	pENTR223.1 or pUC	534
UEVLD	CSB-CL816897HU2	BC064566	55293	pENTR223.1 or pUC	1074
UFC1	CSB-CL897483HU	BC005187	51506	pENTR223.1 or pUC	504
UFD1L	CSB-CL842166HU	BC001049	7353	pENTR223.1 or pUC	924
UFM1	CSB-CL025560HU	BC005193	51569	pENTR223.1 or pUC	258



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UFSP2	CSB-CL885731HU	BC010493	55325	pENTR223.1 or pUC	1410
UGCG	CSB-CL619088HU	BC038711	7357	pENTR223.1 or pUC	1185
UGDH	CSB-CL025567HU	BC022781	7358	pENTR223.1 or pUC	1485
UGP2	CSB-CL620986HU1	BC002954	7360	pENTR223.1 or pUC	1494
UGP2	CSB-CL620986HU2	BC047004	7360	pENTR223.1 or pUC	1527
UGT1A10	CSB-CL862057HU1	BC020971	54575	pENTR223.1 or pUC	1593
UGT2A3	CSB-CL761491HU	BC130533	79799	pENTR223.1 or pUC	1584
UGT2B11	CSB-CL025588HU	BC107059	10720	pENTR223.1 or pUC	1590
UGT2B4	CSB-CL025597HU	BC026264	7363	pUC	1587
UGT2B7	CSB-CL025598HU	BC030974	7364	pENTR223.1 or pUC	1590
UGT3A1	CSB-CL740661HU1	BC035012	133688	pENTR223.1 or pUC	759
UGT3A1	CSB-CL740661HU2	BC068446	133688	pENTR223.1 or pUC	1572
UGT3A2	CSB-CL667485HU	BC103925	167127	pENTR223.1 or pUC	1572
UHRF1BP1L	CSB-CL025606HU1	BC014891	23074	pENTR223.1 or pUC	1569
UIMC1	CSB-CL857019HU	BC032561	51720	pENTR223.1 or pUC	1662
ULBP2	CSB-CL880151HU	BC034689	80328	pENTR223.1 or pUC	741
ULK4	CSB-CL853394HU	BC014794	54986	pENTR223.1 or pUC	1743
UMOD	CSB-CL025616HU	BC035975	7369	pENTR223.1	1836
UNC45A	CSB-CL867145HU	BC037992	55898	pENTR223.1 or pUC	2835
UNC45B	CSB-CL812884HU	BC101063	146862	pENTR223.1	2790
UNC50	CSB-CL687496HU	BC017019	25972	pENTR223.1 or pUC	780
UNC93A	CSB-CL773046HU	BC098248	54346	pENTR223.1 or pUC	1248
UNG	CSB-CL025641HU	BC015205	7374	pENTR223.1 or pUC	915
UPB1	CSB-CL890662HU	BC131703	51733	pENTR223.1 or pUC	1155
UPK1A	CSB-CL025654HU	BC107098	11045	pENTR223.1 or pUC	777
UPK1B	CSB-CL025655HU	BC063568	7348	pENTR223.1 or pUC	783
UPK2	CSB-CL025656HU	BC113900	7379	pENTR223.1 or pUC	555



Name	Code	Accession No.	Gene ID	Vector	Length
UPP1	CSB-CL025659HU	BC047030	7378	pENTR223.1	522
UPP2	CSB-CL025660HU	BC033529	151531	pENTR223.1	954
UPRT	CSB-CL839297HU	BC015116	139596	pENTR223.1 or pUC	930
UQCC	CSB-CL882113HU1	BC008871	55245	pENTR223.1 or pUC	564
UQCC	CSB-CL882113HU2	BC122862	55245	pENTR223.1 or pUC	900
UQCRB	CSB-CL025664HU	BC005230	7381	pENTR223.1 or pUC	336
UQCRC1	CSB-CL025667HU	BC009586	7384	pENTR223.1 or pUC	1443
UQCRH	CSB-CL025671HU	BC001426	7388	pENTR223.1	276
UQCRQ	CSB-CL025673HU	BC001390	27089	pENTR223.1 or pUC	249
URB2	CSB-CL619861HU	BC114559	9816	pUC	4575
URM1	CSB-CL861135HU1	BC011620	81605	pENTR223.1	192
UROD	CSB-CL025678HU	BC001778	7389	pENTR223.1 or pUC	1104
UROS	CSB-CL025679HU	BC002573	7390	pENTR223.1 or pUC	798
USE1	CSB-CL889157HU1	BC006005	55850	pENTR223.1	441
USE1	CSB-CL889157HU2	BC008455	55850	pENTR223.1 or pUC	780
USF1	CSB-CL025681HU	BC035505	7391	pENTR223.1 or pUC	933
USH1C	CSB-CL896761HU	BC016057	10083	pENTR223.1 or pUC	1602
USH1G	CSB-CL676572HU	BC101099	124590	pENTR223.1 or pUC	1386
USHBP1	CSB-CL839815HU	BC027910	83878	pENTR223.1 or pUC	2112
USMG5	CSB-CL836231HU	BC007087	84833	pENTR223.1 or pUC	177
USO1	CSB-CL025694HU	BC032654	8615	pENTR223.1 or pUC	2886
USP12	CSB-CL025699HU	BC026072	219333	pENTR223.1 or pUC	1113
USP14	CSB-CL025704HU	BC003556	9097	pENTR223.1 or pUC	1485
USP15	CSB-CL896515HU1	BC020688	9958	pENTR223.1	708
USP15	CSB-CL896515HU2	BC125123	9958	pENTR223.1 or pUC	2859
USP16	CSB-CL896915HU	BC030777	10600	pENTR223.1 or pUC	2469
USP18	CSB-CL891559HU	BC014896	11274	pENTR223.1	1119



Name	Code	Accession No.	Gene ID	Vector	Length
USP2	CSB-CL025710HU	BC002854	9099	pENTR223.1 or pUC	1818
USP20	CSB-CL896876HU	BC039593	10868	pENTR223.1 or pUC	2742
USP25	CSB-CL883400HU1	BC015930	29761	pENTR223.1 or pUC	1353
USP25	CSB-CL883400HU2	BC075792	29761	pUC	3168
USP3	CSB-CL896756HU	BC065300	9960	pENTR223.1 or pUC	1563
USP30	CSB-CL765106HU	BC004868	84749	pENTR223.1 or pUC	1527
USP32	CSB-CL850878HU	BC054344	84669	pENTR223.1 or pUC	1173
USP33	CSB-CL840583HU	BC016663	23032	pENTR223.1 or pUC	2487
USP35	CSB-CL865209HU	BC131489	57558	pENTR223.1 or pUC	1815
USP44	CSB-CL884431HU	BC030704	84101	pENTR223.1	2139
USP45	CSB-CL741097HU	BC005991	85015	pENTR223.1	870
USP46	CSB-CL025738HU	BC037574	64854	pENTR223.1 or pUC	1101
USP47	CSB-CL856964HU	BC000226	55031	pENTR223.1 or pUC	474
USP48	CSB-CL774808HU1	BC011576	84196	pENTR223.1 or pUC	1332
USP48	CSB-CL774808HU2	BC013567	84196	pENTR223.1 or pUC	765
USP5	CSB-CL025742HU	BC004889	8078	pENTR223.1 or pUC	2508
USP53	CSB-CL747836HU	BC017382	54532	pENTR223.1 or pUC	567
USP6	CSB-CL025747HU	BC029495	9098	pENTR223.1 or pUC	675
USP8	CSB-CL025752HU	BC110590	9101	pENTR223.1	3357
USPL1	CSB-CL726128HU	BC038103	10208	pUC	3279
UTP11L	CSB-CL897542HU	BC005182	51118	pENTR223.1 or pUC	762
UTP14A	CSB-CL883609HU	BC001149	10813	pENTR223.1 or pUC	2316
UTP14C	CSB-CL719418HU	BC122536	9724	pENTR223.1 or pUC	2301
UTP15	CSB-CL840580HU	BC013064	84135	pENTR223.1 or pUC	858
UTP23	CSB-CL874796HU	BC005955	84294	pENTR223.1 or pUC	750
UTP3	CSB-CL889085HU	BC004546	57050	pENTR223.1 or pUC	1440
UTP6	CSB-CL868357HU	BC035325	55813	pENTR223.1 or pUC	1794



Name	Code	Accession No.	Gene ID	Vector	Length
UTS2	CSB-CL025771HU	BC126443	10911	pENTR223.1 or pUC	285
UTY	CSB-CL025775HU	BC071744	7404	pENTR223.1 or pUC	474
UXS1	CSB-CL822754HU	BC009819	80146	pENTR223.1 or pUC	1263
UXT	CSB-CL880062HU	BC000720	8409	pENTR223.1 or pUC	474
VAC14	CSB-CL600170HU1	BC007214	55697	pENTR223.1	1575
VAC14	CSB-CL600170HU2	BC125108	55697	pENTR223.1 or pUC	2349
VAMP1	CSB-CL025780HU	BC023286	6843	pENTR223.1	354
VAMP2	CSB-CL025781HU	BC002737	6844	pENTR223.1 or pUC	351
VAMP3	CSB-CL619000HU1	BC007050	9341	pENTR223.1 or pUC	303
VAMP3	CSB-CL619000HU2	BC005941	9341	pENTR223.1 or pUC	303
VAMP5	CSB-CL025784HU	BC017891	10791	pENTR223.1 or pUC	351
VANGL1	CSB-CL848385HU	BC065272	81839	pENTR223.1 or pUC	1575
VANGL2	CSB-CL890750HU	BC103920	57216	pENTR223.1	1566
VAPA	CSB-CL878947HU	BC002992	9218	pENTR223.1 or pUC	729
VAPB	CSB-CL025790HU	BC001712	9217	pENTR223.1 or pUC	732
VASH1	CSB-CL745337HU1	BC009031	22846	pENTR223.1 or pUC	615
VASH1	CSB-CL745337HU2	BC051896	22846	pENTR223.1 or pUC	1098
VASH2	CSB-CL769783HU1	BC028194	79805	pENTR223.1 or pUC	471
VAT1L	CSB-CL875723HU	BC033537	57687	pENTR223.1 or pUC	1260
VAV1	CSB-CL025803HU	BC013361	7409	pENTR223.1 or pUC	2373
VBP1	CSB-CL025808HU	BC046094	7411	pENTR223.1 or pUC	594
VCAM1	CSB-CL025809HU	BC068490	7412	pENTR223.1 or pUC	2220
VCL	CSB-CL025812HU	BC039174	7414	pENTR223.1	3201
VCX3A	CSB-CL882058HU	BC098149	51481	pENTR223.1 or pUC	501
VCY	CSB-CL025819HU	BC096729	9084	pENTR223.1 or pUC	378
VDAC1	CSB-CL025821HU	BC008482	7416	pENTR223.1	852
VDAC2	CSB-CL025824HU1	BC012883	7417	pENTR223.1 or pUC	852



Name	Code	Accession No.	Gene ID	Vector	Length
VDAC2	CSB-CL025824HU2	BC072407	7417	pENTR223.1 or pUC	885
VDAC3	CSB-CL896484HU	BC056870	7419	pENTR223.1 or pUC	852
VDR	CSB-CL025832HU	BC060832	7421	pENTR223.1 or pUC	1284
VEGFA	CSB-CL025833HU	BC065522	7422	pENTR223.1 or pUC	444
VEGFB	CSB-CL025834HU	BC008818	7423	pENTR223.1	624
VEGFC	CSB-CL025835HU	BC035212	7424	pENTR223.1 or pUC	1260
VENTX	CSB-CL528513HU	BC108916	27287	pENTR223.1 or pUC	777
VEPH1	CSB-CL617949HU1	BC057999	79674	pENTR223.1 or pUC	642
VEPH1	CSB-CL617949HU2	BC113555	79674	pENTR223.1 or pUC	2502
VGLL2	CSB-CL836691HU	BC069316	245806	pENTR223.1 or pUC	432
VHLL	CSB-CL761420HU	BC130596	391104	pENTR223.1 or pUC	420
VIL1	CSB-CL025855HU	BC017303	7429	pENTR223.1 or pUC	1266
VILL	CSB-CL025856HU1	BC004300	50853	pENTR223.1 or pUC	2019
VILL	CSB-CL025856HU2	BC000243	50853	pENTR223.1 or pUC	2061
VIP	CSB-CL025858HU	BC009794	7432	pENTR223.1	510
VKORC1L1	CSB-CL818673HU	BC027734	154807	pENTR223.1 or pUC	531
VMO1	CSB-CL800218HU	BC104195	284013	pENTR223.1 or pUC	609
VN1R2	CSB-CL847711HU	BC130356	317701	pENTR223.1 or pUC	1188
VN1R3	CSB-CL883619HU1	BC107074	317702	pENTR223.1 or pUC	324
VN1R5	CSB-CL801813HU	BC126341	317705	pENTR223.1 or pUC	1074
VNN1	CSB-CL025883HU	BC096268	8876	pENTR223.1 or pUC	1542
VNN2	CSB-CL025884HU2	BC126147	8875	pENTR223.1 or pUC	1563
VPRBP	CSB-CL896722HU	BC022792	9730	pUC	3177
VPREB3	CSB-CL891724HU	BC020666	29802	pENTR223.1 or pUC	372
VPS11	CSB-CL887959HU	BC012051	55823	pENTR223.1	996
VPS16	CSB-CL863958HU	BC073959	64601	pENTR223.1	1575
VPS25	CSB-CL887108HU	BC006282	84313	pENTR223.1 or pUC	531



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VPS26B	CSB-CL676824HU	BC009747	112936	pENTR223.1 or pUC	1011
VPS28	CSB-CL892327HU1	BC006485	51160	pENTR223.1 or pUC	666
VPS28	CSB-CL892327HU2	BC050713	51160	pENTR223.1 or pUC	702
VPS29	CSB-CL890661HU1	BC032462	51699	pENTR223.1 or pUC	492
VPS29	CSB-CL890661HU2	BC000880	51699	pENTR223.1	561
VPS33A	CSB-CL850260HU	BC016617	65082	pENTR223.1 or pUC	1791
VPS35	CSB-CL839401HU	BC002414	55737	pENTR223.1 or pUC	2391
VPS37A	CSB-CL818779HU1	BC022363	137492	pENTR223.1 or pUC	525
VPS37A	CSB-CL818779HU2	BC067754	137492	pENTR223.1 or pUC	1194
VPS37D	CSB-CL801259HU	BC064621	155382	pENTR223.1 or pUC	438
VPS39	CSB-CL836235HU1	BC015817	23339	pENTR223.1 or pUC	2154
VPS39	CSB-CL836235HU2	BC068559	23339	pENTR223.1 or pUC	2628
VPS41	CSB-CL025911HU	BC044851	27072	pENTR223.1	2565
VPS45	CSB-CL882092HU	BC012932	11311	pENTR223.1 or pUC	1713
VPS4A	CSB-CL891974HU	BC047932	27183	pENTR223.1	1314
VPS4B	CSB-CL025915HU	BC039574	9525	pENTR223.1 or pUC	1335
VPS53	CSB-CL726098HU2	BC029560	55275	pENTR223.1 or pUC	423
VPS53	CSB-CL726098HU1	BC006116	55275	pENTR223.1 or pUC	2013
VPS72	CSB-CL620899HU	BC003151	6944	pUC	1095
VRK1	CSB-CL857466HU	BC113510	7443	pENTR223.1 or pUC	1191
VSIG2	CSB-CL839343HU	BC007313	23584	pENTR223.1 or pUC	984
VSIG4	CSB-CL896869HU	BC010525	11326	pENTR223.1 or pUC	1200
VSNL1	CSB-CL025933HU	BC022012	7447	pENTR223.1 or pUC	576
VSTM1	CSB-CL747633HU	BC100942	284415	pENTR223.1 or pUC	525
VSTM2A	CSB-CL823442HU	BC028404	222008	pENTR223.1 or pUC	732
VTA1	CSB-CL882062HU	BC005937	51534	pENTR223.1 or pUC	924
VTCN1	CSB-CL801822HU	BC065717	79679	pENTR223.1 or pUC	564



Name	Code	Accession No.	Gene ID	Vector	Length
VTI1A	CSB-CL842635HU	BC017052	143187	pENTR223.1 or pUC	612
VTI1B	CSB-CL887014HU	BC003142	10490	pENTR223.1 or pUC	699
VWA2	CSB-CL691845HU	BC128588	340706	pENTR223.1 or pUC	1266
VWA3B	CSB-CL681377HU	BC022028	200403	pENTR223.1 or pUC	1251
VWA5A	CSB-CL025954HU	BC001234	4013	pENTR223.1 or pUC	1248
VWF	CSB-CL025960HU	BC022258	7450	pENTR223.1 or pUC	822
WAC	CSB-CL861133HU1	BC010356	51322	pENTR223.1	633
WAC	CSB-CL861133HU2	BC004258	51322	pENTR223.1	1950
WAPAL	CSB-CL772025HU	BC017393	23063	pENTR223.1 or pUC	1209
WARS	CSB-CL025965HU	BC017489	7453	pENTR223.1 or pUC	1416
WARS2	CSB-CL880081HU	BC044575	10352	pENTR223.1 or pUC	1083
WASL	CSB-CL025973HU	BC052955	8976	pENTR223.1 or pUC	1518
WBP1	CSB-CL856938HU	BC010012	23559	pENTR223.1 or pUC	810
WBP11	CSB-CL896881HU	BC001621	51729	pENTR223.1 or pUC	1926
WBP2	CSB-CL842628HU	BC007452	23558	pENTR223.1 or pUC	786
WBP2NL	CSB-CL750315HU1	BC022546	164684	pENTR223.1 or pUC	930
WBP2NL	CSB-CL750315HU2	BC022549	164684	pENTR223.1 or pUC	603
WBP5	CSB-CL887044HU	BC023544	51186	pENTR223.1 or pUC	315
WBSR17	CSB-CL743592HU	BC069645	64409	pENTR223.1 or pUC	1797
WBSR22	CSB-CL025985HU1	BC000169	114049	pENTR223.1 or pUC	753
WBSR22	CSB-CL025985HU2	BC011696	114049	pENTR223.1 or pUC	846
WBSR23	CSB-CL887988HU	BC126309	80112	pENTR223.1 or pUC	522
WBSR28	CSB-CL744250HU	BC030643	135886	pENTR223.1 or pUC	798
WDFY1	CSB-CL816890HU	BC040525	57590	pENTR223.1	1233
WDFY2	CSB-CL850405HU	BC014004	115825	pENTR223.1 or pUC	1203
WDFY3	CSB-CL809030HU1	BC013377	23001	pENTR223.1 or pUC	846
WDFY3	CSB-CL809030HU2	BC015214	23001	pENTR223.1 or pUC	1263



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WDR1	CSB-CL025995HU1	BC002489	9948	pENTR223.1	1821
WDR1	CSB-CL025995HU2	BC000201	9948	pENTR223.1 or pUC	1821
WDR13	CSB-CL861995HU	BC080579	64743	pENTR223.1 or pUC	1458
WDR16	CSB-CL839781HU	BC025392	146845	pENTR223.1 or pUC	1863
WDR18	CSB-CL880110HU1	BC001648	57418	pENTR223.1 or pUC	1299
WDR19	CSB-CL836733HU	BC032578	57728	pENTR223.1 or pUC	1314
WDR20	CSB-CL823451HU1	BC030654	91833	pENTR223.1 or pUC	588
WDR20	CSB-CL823451HU2	BC028387	91833	pENTR223.1 or pUC	1710
WDR25	CSB-CL720719HU	BC003641	79446	pENTR223.1 or pUC	864
WDR27	CSB-CL026011HU	BC131633	253769	pENTR223.1 or pUC	2193
WDR31	CSB-CL818743HU	BC012352	114987	pENTR223.1 or pUC	1101
WDR33	CSB-CL861199HU	BC013990	55339	pENTR223.1 or pUC	981
WDR34	CSB-CL842668HU1	BC011874	89891	pENTR223.1 or pUC	1260
WDR37	CSB-CL897530HU	BC018044	22884	pENTR223.1 or pUC	795
WDR38	CSB-CL708487HU	BC127949	401551	pENTR223.1 or pUC	945
WDR4	CSB-CL026021HU1	BC001074	10785	pENTR223.1 or pUC	801
WDR4	CSB-CL026021HU2	BC006341	10785	pENTR223.1 or pUC	1239
WDR41	CSB-CL864011HU1	BC040241	55255	pENTR223.1 or pUC	1380
WDR45L	CSB-CL711740HU	BC007838	56270	pENTR223.1 or pUC	861
WDR47	CSB-CL026035HU1	BC034964	22911	pENTR223.1 or pUC	2763
WDR47	CSB-CL026035HU2	BC039254	22911	pENTR223.1 or pUC	2682
WDR49	CSB-CL810271HU	BC035512	151790	pENTR223.1 or pUC	2094
WDR5	CSB-CL026038HU	BC001635	11091	pENTR223.1 or pUC	1005
WDR53	CSB-CL772027HU	BC054030	348793	pENTR223.1 or pUC	1077
WDR54	CSB-CL881001HU1	BC051848	84058	pENTR223.1 or pUC	1005
WDR59	CSB-CL764810HU	BC004519	79726	pENTR223.1 or pUC	1716
WDR6	CSB-CL889061HU1	BC002826	11180	pENTR223.1 or pUC	870



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WDR6	CSB-CL889061HU2	BC113467	11180	pUC	3366
WDR60	CSB-CL845154HU	BC014491	55112	pUC	3201
WDR61	CSB-CL872416HU	BC010080	80349	pENTR223.1 or pUC	918
WDR62	CSB-CL026050HU	BC017261	284403	pENTR223.1 or pUC	1893
WDR63	CSB-CL815564HU	BC040265	126820	pENTR223.1 or pUC	2676
WDR65	CSB-CL856986HU	BC117280	149465	pENTR223.1 or pUC	2097
WDR66	CSB-CL848398HU2	BC028421	144406	pUC	3465
WDR67	CSB-CL822197HU	BC027237	93594	pENTR223.1 or pUC	1023
WDR74	CSB-CL747557HU	BC006351	54663	pENTR223.1 or pUC	1101
WDR76	CSB-CL888003HU1	BC051855	79968	pENTR223.1	1881
WDR76	CSB-CL888003HU2	BC025247	79968	pENTR223.1 or pUC	1689
WDR77	CSB-CL859030HU	BC009411	79084	pENTR223.1 or pUC	993
WDR82	CSB-CL747639HU	BC018941	80335	pENTR223.1 or pUC	414
WDR85	CSB-CL866281HU1	BC003123	92715	pENTR223.1 or pUC	1359
WDR85	CSB-CL866281HU2	BC040173	92715	pENTR223.1 or pUC	684
WDR88	CSB-CL744395HU	BC031227	126248	pENTR223.1 or pUC	1281
WDR89	CSB-CL842671HU	BC010698	112840	pENTR223.1 or pUC	1164
WDR91	CSB-CL026077HU	BC017246	29062	pENTR223.1	2244
WDR92	CSB-CL822265HU	BC014022	116143	pENTR223.1 or pUC	867
WDTC1	CSB-CL822706HU	BC032523	23038	pENTR223.1 or pUC	2031
WDYHV1	CSB-CL850306HU	BC008781	55093	pENTR223.1 or pUC	618
WFDC10B	CSB-CL816872HU	BC121071	280664	pENTR223.1 or pUC	222
WFDC11	CSB-CL818778HU	BC062670	259239	pENTR223.1 or pUC	264
WFDC2	CSB-CL621777HU	BC046106	10406	pENTR223.1	375
WFDC5	CSB-CL837433HU	BC039173	149708	pENTR223.1 or pUC	372
WFDC9	CSB-CL822776HU	BC069295	259240	pENTR223.1 or pUC	270
WFS1	CSB-CL026100HU	BC030130	7466	pENTR223.1 or pUC	2673



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WHSC1L1	CSB-CL880145HU1	BC012059	54904	pENTR223.1 or pUC	1938
WHSC2	CSB-CL867144HU	BC002764	7469	pENTR223.1 or pUC	1587
WIBG	CSB-CL880090HU	BC006135	84305	pENTR223.1 or pUC	615
WIF1	CSB-CL026113HU	BC018037	11197	pENTR223.1	1140
WIPI1	CSB-CL705810HU	BC039867	55062	pENTR223.1 or pUC	1341
WIPI2	CSB-CL896519HU	BC007596	26100	pENTR223.1 or pUC	1311
WISP2	CSB-CL026120HU3	BC058074	8839	pENTR223.1 or pUC	657
WISP3	CSB-CL026121HU1	BC105941	8838	pENTR223.1 or pUC	1119
WISP3	CSB-CL026121HU2	BC012028	8838	pENTR223.1 or pUC	660
WNK1	CSB-CL887978HU	BC021121	65125	pENTR223.1 or pUC	1182
WNT10B	CSB-CL026130HU	BC096353	7480	pENTR223.1 or pUC	1170
WNT2	CSB-CL026133HU	BC029854	7472	pENTR223.1 or pUC	1083
WNT3A	CSB-CL026136HU	BC103921	89780	pENTR223.1	1158
WNT4	CSB-CL026137HU	BC057781	54361	pENTR223.1 or pUC	1056
WNT5A	CSB-CL026138HU	BC064694	7474	pENTR223.1 or pUC	1143
WNT7A	CSB-CL026141HU	BC008811	7476	pENTR223.1	1050
WNT7B	CSB-CL026142HU	BC034923	7477	pENTR223.1	1050
WRB	CSB-CL026148HU	BC012415	7485	pENTR223.1 or pUC	525
WSB1	CSB-CL897589HU	BC021110	26118	pENTR223.1 or pUC	1266
WSB2	CSB-CL882146HU	BC015887	55884	pENTR223.1 or pUC	1215
WSCD2	CSB-CL651123HU	BC037969	9671	pENTR223.1 or pUC	768
WT1	CSB-CL026158HU	BC032861	7490	pENTR223.1 or pUC	909
WTAP	CSB-CL618970HU1	BC000383	9589	pENTR223.1 or pUC	456
WTAP	CSB-CL618970HU2	BC069192	9589	pENTR223.1 or pUC	1191
WWC3	CSB-CL890929HU	BC035601	55841	pENTR223.1 or pUC	510
WWP1	CSB-CL872425HU	BC036065	11059	pENTR223.1	2769
WWP2	CSB-CL026168HU2	BC000108	11060	pENTR223.1	1008



Name	Code	Accession No.	Gene ID	Vector	Length
WWP2	CSB-CL026168HU1	BC013645	11060	pENTR223.1	2613
XAGE1A	CSB-CL872552HU	BC009538	653219	pENTR223.1 or pUC	246
XAGE2	CSB-CL839331HU	BC066311	9502	pENTR223.1 or pUC	336
XAGE3	CSB-CL845137HU	BC062680	170626	pENTR223.1 or pUC	336
XCL1	CSB-CL026186HU	BC070309	6375	pENTR223.1	345
XG	CSB-CL026190HU	BC100767	7499	pENTR223.1 or pUC	546
XIAP	CSB-CL026193HU	BC032729	331	pENTR223.1 or pUC	1494
XIRP2	CSB-CL026196HU	BC022888	129446	pENTR223.1 or pUC	387
XK	CSB-CL026198HU	BC036019	7504	pENTR223.1 or pUC	1335
XKR3	CSB-CL688893HU	BC045548	150165	pENTR223.1 or pUC	1089
XPNPEP1	CSB-CL878859HU	BC005126	7511	pENTR223.1	1872
XPNPEP2	CSB-CL026219HU	BC126174	7512	pENTR223.1 or pUC	2025
XPNPEP3	CSB-CL865106HU	BC001681	63929	pENTR223.1 or pUC	1524
XPO1	CSB-CL026221HU	BC032847	7514	pUC	3216
XPO4	CSB-CL887186HU	BC113571	64328	pUC	3375
XPO5	CSB-CL864014HU1	BC000129	57510	pENTR223.1 or pUC	843
XPO7	CSB-CL887065HU	BC030785	23039	pUC	3264
XPR1	CSB-CL871381HU	BC041142	9213	pENTR223.1 or pUC	1896
XRCC2	CSB-CL026230HU	BC042137	7516	pENTR223.1	843
XRCC3	CSB-CL026231HU	BC001036	7517	pENTR223.1 or pUC	1041
XRCC4	CSB-CL614413HU1	BC016314	7518	pENTR223.1 or pUC	1011
XRCC4	CSB-CL614413HU2	BC005259	7518	pENTR223.1 or pUC	933
XRCC5	CSB-CL026233HU	BC019027	7520	pUC	2199
XRCC6	CSB-CL321042HU1	BC008343	2547	pENTR223.1 or pUC	1830
XRCC6	CSB-CL321042HU2	BC010034	2547	pENTR223.1 or pUC	1830
XRCC6BP1	CSB-CL896755HU1	BC033881	91419	pENTR223.1 or pUC	339
XRCC6BP1	CSB-CL896755HU2	BC012776	91419	pENTR223.1 or pUC	741



Name	Code	Accession No.	Gene ID	Vector	Length
XRN2	CSB-CL863940HU	BC006417	22803	pENTR223.1 or pUC	1683
XRRA1	CSB-CL747397HU	BC064584	143570	pENTR223.1 or pUC	1797
YAF2	CSB-CL810297HU	BC037777	10138	pENTR223.1 or pUC	615
YARS	CSB-CL026245HU	BC001933	8565	pENTR223.1 or pUC	1587
YARS2	CSB-CL896882HU	BC015625	51067	pENTR223.1 or pUC	1434
YES1	CSB-CL026253HU	BC048960	7525	pENTR223.1 or pUC	1632
YIF1A	CSB-CL026255HU	BC001299	10897	pENTR223.1 or pUC	882
YIF1B	CSB-CL688542HU	BC014974	90522	pENTR223.1 or pUC	885
YIPF1	CSB-CL896523HU1	BC009674	54432	pENTR223.1 or pUC	372
YIPF1	CSB-CL896523HU2	BC064590	54432	pENTR223.1 or pUC	921
YIPF2	CSB-CL887141HU1	BC013014	78992	pENTR223.1 or pUC	951
YIPF2	CSB-CL887141HU2	BC000056	78992	pENTR223.1 or pUC	951
YIPF3	CSB-CL863928HU	BC019297	25844	pENTR223.1 or pUC	1053
YIPF4	CSB-CL861129HU	BC004875	84272	pENTR223.1 or pUC	735
YIPF5	CSB-CL842626HU	BC007829	81555	pENTR223.1 or pUC	774
YIPF6	CSB-CL836203HU	BC012469	286451	pENTR223.1 or pUC	711
YIPF7	CSB-CL843292HU	BC103996	285525	pENTR223.1 or pUC	399
YKT6	CSB-CL026265HU	BC007319	10652	pENTR223.1 or pUC	597
YME1L1	CSB-CL853509HU	BC023507	10730	pENTR223.1 or pUC	2151
YPEL1	CSB-CL026270HU	BC074501	29799	pENTR223.1 or pUC	360
YPEL2	CSB-CL822288HU	BC132884	388403	pENTR223.1 or pUC	360
YPEL3	CSB-CL026272HU1	BC050664	83719	pENTR223.1 or pUC	606
YPEL3	CSB-CL026272HU2	BC005009	83719	pENTR223.1 or pUC	360
YRDC	CSB-CL803118HU	BC008984	79693	pENTR223.1 or pUC	384
YSK4	CSB-CL707114HU	BC034417	80122	pENTR223.1 or pUC	507
YTHDF2	CSB-CL896902HU	BC002559	51441	pENTR223.1 or pUC	1740
YTHDF3	CSB-CL800225HU	BC052970	253943	pENTR223.1 or pUC	1758



Name	Code	Accession No.	Gene ID	Vector	Length
YWHAB	CSB-CL026285HU1	BC010352	7529	pENTR223.1 or pUC	192
YWHAB	CSB-CL026285HU2	BC001359	7529	pENTR223.1 or pUC	741
YWHAE	CSB-CL026287HU	BC000179	7531	pENTR223.1 or pUC	768
YWHAG	CSB-CL026288HU	BC020963	7532	pENTR223.1	744
YWHAQ	CSB-CL026290HU	BC056867	10971	pENTR223.1 or pUC	738
YY1	CSB-CL026297HU	BC037308	7528	pENTR223.1 or pUC	1245
YY1AP1	CSB-CL884488HU1	BC009358	55249	pENTR223.1 or pUC	1938
YY1AP1	CSB-CL884488HU2	BC003500	55249	pENTR223.1 or pUC	2055
YY1AP1	CSB-CL884488HU3	BC001655	55249	pENTR223.1 or pUC	2220
YY1AP1	CSB-CL884488HU4	BC014906	55249	pENTR223.1 or pUC	2253
ZACN	CSB-CL674786HU	BC110597	353174	pENTR223.1 or pUC	1236
ZADH2	CSB-CL854039HU1	BC033780	284273	pENTR223.1 or pUC	1134
ZADH2	CSB-CL854039HU2	BC078661	284273	pENTR223.1 or pUC	1134
ZBBX	CSB-CL026305HU	BC034229	79740	pENTR223.1 or pUC	1050
ZBED1	CSB-CL026306HU	BC015030	9189	pENTR223.1 or pUC	2085
ZBED2	CSB-CL880101HU	BC003536	79413	pENTR223.1 or pUC	654
ZBED5	CSB-CL674347HU	BC047754	58486	pENTR223.1 or pUC	1488
ZBP1	CSB-CL861990HU1	BC028218	81030	pENTR223.1	450
ZBTB10	CSB-CL853404HU	BC127098	65986	pENTR223.1 or pUC	2097
ZBTB20	CSB-CL867198HU	BC029041	26137	pENTR223.1	2007
ZBTB24	CSB-CL026321HU1	BC036731	9841	pENTR223.1 or pUC	1002
ZBTB25	CSB-CL026322HU	BC035804	7597	pENTR223.1 or pUC	1308
ZBTB26	CSB-CL881027HU	BC018748	57684	pENTR223.1 or pUC	1326
ZBTB32	CSB-CL897538HU	BC017700	27033	pENTR223.1 or pUC	909
ZBTB37	CSB-CL722578HU	BC003116	84614	pENTR223.1 or pUC	1086
ZBTB38	CSB-CL818747HU	BC008901	253461	pENTR223.1	981
ZBTB43	CSB-CL026335HU	BC008828	23099	pUC	1404



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ZBTB44	CSB-CL822759HU2	BC049375	29068	pENTR223.1 or pUC	1404
ZBTB44	CSB-CL822759HU3	BC071729	29068	pENTR223.1 or pUC	1362
ZBTB44	CSB-CL822759HU1	BC030580	29068	pENTR223.1 or pUC	1713
ZBTB48	CSB-CL026340HU	BC013573	3104	pENTR223.1 or pUC	2067
ZBTB5	CSB-CL026341HU	BC010007	9925	pENTR223.1 or pUC	2034
ZBTB6	CSB-CL621889HU	BC037282	10773	pENTR223.1 or pUC	1275
ZBTB7B	CSB-CL026344HU	BC012070	51043	pENTR223.1 or pUC	1620
ZBTB8OS	CSB-CL816894HU	BC058843	339487	pENTR223.1 or pUC	411
ZBTB9	CSB-CL850267HU	BC014978	221504	pENTR223.1 or pUC	1422
ZC3H10	CSB-CL846649HU	BC018708	84872	pENTR223.1 or pUC	1305
ZC3H12A	CSB-CL701732HU	BC005001	80149	pENTR223.1 or pUC	1800
ZC3H14	CSB-CL740793HU	BC027607	79882	pENTR223.1 or pUC	921
ZC3H15	CSB-CL823879HU	BC021102	55854	pENTR223.1 or pUC	1281
ZC3H7A	CSB-CL818245HU	BC012575	29066	pENTR223.1 or pUC	504
ZC3H8	CSB-CL854047HU	BC032001	84524	pENTR223.1 or pUC	894
ZC3HC1	CSB-CL801246HU1	BC028917	51530	pUC	639
ZC3HC1	CSB-CL801246HU2	BC011551	51530	pENTR223.1 or pUC	1509
ZC4H2	CSB-CL873628HU	BC004411	55906	pENTR223.1 or pUC	675
ZCCHC10	CSB-CL848396HU1	BC005211	54819	pENTR223.1 or pUC	513
ZCCHC10	CSB-CL848396HU2	BC022443	54819	pENTR223.1 or pUC	579
ZCCHC11	CSB-CL719419HU1	BC048301	23318	pENTR223.1	930
ZCCHC12	CSB-CL761340HU1	BC031241	170261	pENTR223.1 or pUC	1209
ZCCHC12	CSB-CL761340HU2	BC057841	170261	pENTR223.1 or pUC	1209
ZCCHC13	CSB-CL837862HU	BC021176	389874	pENTR223.1 or pUC	501
ZCCHC17	CSB-CL878834HU	BC007446	51538	pENTR223.1 or pUC	726
ZCCHC24	CSB-CL850786HU	BC028617	219654	pENTR223.1 or pUC	726
ZCCHC4	CSB-CL887984HU	BC016914	29063	pENTR223.1 or pUC	618



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ZCCHC6	CSB-CL726122HU	BC032456	79670	pENTR223.1 or pUC	1239
ZCCHC7	CSB-CL850795HU2	BC022434	84186	pENTR223.1 or pUC	621
ZCCHC7	CSB-CL850795HU3	BC034022	84186	pENTR223.1 or pUC	936
ZCCHC7	CSB-CL850795HU1	BC036940	84186	pENTR223.1 or pUC	1629
ZCCHC9	CSB-CL850804HU1	BC032736	84240	pENTR223.1 or pUC	816
ZCCHC9	CSB-CL850804HU2	BC014841	84240	pENTR223.1 or pUC	825
ZCRB1	CSB-CL844712HU	BC022543	85437	pENTR223.1 or pUC	654
ZCWPW1	CSB-CL880935HU	BC002725	55063	pENTR223.1 or pUC	1434
ZDHH12	CSB-CL822219HU	BC048251	84885	pENTR223.1 or pUC	969
ZDHH13	CSB-CL818229HU2	BC050690	54503	pENTR223.1 or pUC	1479
ZDHH13	CSB-CL818229HU1	BC056152	54503	pENTR223.1 or pUC	1869
ZDHH15	CSB-CL842720HU	BC103982	158866	pENTR223.1 or pUC	1014
ZDHH16	CSB-CL846578HU1	BC004535	84287	pENTR223.1 or pUC	891
ZDHH16	CSB-CL846578HU2	BC008074	84287	pENTR223.1 or pUC	1134
ZDHH17	CSB-CL811600HU	BC050324	23390	pENTR223.1 or pUC	1899
ZDHH19	CSB-CL845155HU1	BC022078	131540	pENTR223.1 or pUC	849
ZDHH19	CSB-CL845155HU2	BC034801	131540	pENTR223.1 or pUC	732
ZDHH2	CSB-CL883437HU	BC039253	51201	pENTR223.1 or pUC	1104
ZDHH20	CSB-CL722800HU1	BC067898	253832	pENTR223.1 or pUC	393
ZDHH23	CSB-CL818262HU	BC035230	254887	pENTR223.1 or pUC	1212
ZDHH3	CSB-CL882141HU	BC015467	51304	pENTR223.1 or pUC	900
ZDHH4	CSB-CL873612HU	BC001239	55146	pENTR223.1 or pUC	1035
ZDHH5	CSB-CL861196HU	BC026967	25921	pENTR223.1 or pUC	1989
ZDHH6	CSB-CL862029HU	BC007213	64429	pENTR223.1 or pUC	1230
ZDHH7	CSB-CL889140HU1	BC018772	55625	pENTR223.1 or pUC	1038
ZDHH7	CSB-CL889140HU2	BC017702	55625	pENTR223.1 or pUC	627
ZDHH8	CSB-CL890747HU	BC009442	29801	pENTR223.1	129



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ZDHC9	CSB-CL896707HU	BC000035	51114	pENTR223.1 or pUC	1095
ZFAND1	CSB-CL844720HU1	BC022251	79752	pENTR223.1 or pUC	807
ZFAND1	CSB-CL844720HU2	BC051857	79752	pENTR223.1 or pUC	486
ZFAND2A	CSB-CL847647HU	BC029558	90637	pENTR223.1 or pUC	438
ZFAND2B	CSB-CL823888HU	BC018415	130617	pENTR223.1 or pUC	774
ZFAND3	CSB-CL867174HU	BC031481	60685	pENTR223.1 or pUC	684
ZFAND5	CSB-CL026431HU	BC011018	7763	pENTR223.1 or pUC	642
ZFAND6	CSB-CL739009HU	BC005283	54469	pENTR223.1 or pUC	627
ZFC3H1	CSB-CL026435HU1	BC015679	196441	pENTR223.1 or pUC	1077
ZFC3H1	CSB-CL026435HU2	BC073843	196441	pENTR223.1 or pUC	1041
ZFHX3	CSB-CL619002HU	BC029653	463	pENTR223.1 or pUC	2661
ZFP112	CSB-CL891528HU	BC117223	7771	pENTR223.1 or pUC	2724
ZFP161	CSB-CL026443HU	BC110519	7541	pENTR223.1 or pUC	1350
ZFP37	CSB-CL896762HU	BC126390	7539	pENTR223.1 or pUC	1893
ZFP64	CSB-CL865094HU1	BC021087	55734	pENTR223.1 or pUC	1938
ZFP82	CSB-CL843135HU	BC032577	284406	pENTR223.1 or pUC	1599
ZFYVE16	CSB-CL800100HU2	BC030808	9765	pENTR223.1	2430
ZFYVE16	CSB-CL800100HU1	BC032227	9765	pUC	3618
ZFYVE19	CSB-CL853444HU1	BC021092	84936	pENTR223.1 or pUC	987
ZFYVE19	CSB-CL853444HU2	BC015738	84936	pENTR223.1 or pUC	1191
ZFYVE20	CSB-CL884441HU	BC106940	64145	pENTR223.1 or pUC	2355
ZFYVE21	CSB-CL859829HU1	BC005999	79038	pENTR223.1 or pUC	705
ZFYVE21	CSB-CL859829HU2	BC001130	79038	pENTR223.1 or pUC	705
ZFYVE26	CSB-CL734654HU	BC008927	23503	pENTR223.1 or pUC	984
ZFYVE27	CSB-CL716350HU	BC030621	118813	pENTR223.1 or pUC	1032
ZG16	CSB-CL528909HU	BC029149	123887	pENTR223.1 or pUC	504
ZGPAT	CSB-CL836668HU1	BC019338	84619	pENTR223.1 or pUC	1509



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ZGPAT	CSB-CL836668HU2	BC032612	84619	pENTR223.1 or pUC	1536
ZKSCAN2	CSB-CL730959HU	BC130007	342357	pENTR223.1 or pUC	2904
ZKSCAN3	CSB-CL861122HU	BC006118	80317	pENTR223.1	1617
ZKSCAN4	CSB-CL836168HU	BC014031	387032	pENTR223.1 or pUC	1638
ZMAT1	CSB-CL691921HU	BC045706	84460	pENTR223.1 or pUC	1710
ZMAT2	CSB-CL846676HU	BC056668	153527	pENTR223.1 or pUC	600
ZMAT3	CSB-CL862051HU	BC002896	64393	pENTR223.1 or pUC	870
ZMAT4	CSB-CL867172HU	BC019598	79698	pENTR223.1 or pUC	462
ZMAT5	CSB-CL866211HU	BC009717	55954	pENTR223.1 or pUC	513
ZMIZ2	CSB-CL850877HU1	BC021924	83637	pENTR223.1 or pUC	1329
ZMPSTE24	CSB-CL026504HU	BC037283	10269	pENTR223.1 or pUC	1428
ZMYM1	CSB-PL200033	BC037313	79830	pENTR223.1 or pUC	2709
ZMYM3	CSB-CL614520HU1	BC013009	9203	pENTR223.1 or pUC	1488
ZMYM4	CSB-CL722798HU1	BC012093	9202	pUC	3675
ZMYM5	CSB-CL891935HU	BC007048	9205	pENTR223.1 or pUC	627
ZMYM6	CSB-CL026510HU1	BC007070	9204	pENTR223.1	471
ZMYM6	CSB-CL026510HU2	BC029439	9204	pENTR223.1 or pUC	465
ZMYND10	CSB-CL026511HU	BC033732	51364	pENTR223.1 or pUC	1323
ZMYND11	CSB-CL621870HU	BC034784	10771	pENTR223.1 or pUC	1584
ZMYND19	CSB-CL836202HU	BC012948	116225	pENTR223.1 or pUC	684
ZNF10	CSB-CL026518HU	BC024182	7556	pENTR223.1 or pUC	1722
ZNF101	CSB-CL026520HU	BC011502	94039	pENTR223.1 or pUC	951
ZNF114	CSB-CL026523HU	BC125069	163071	pENTR223.1 or pUC	1254
ZNF124	CSB-CL026529HU	BC099661	7678	pENTR223.1 or pUC	1056
ZNF131	CSB-CL026530HU	BC035875	7690	pENTR223.1 or pUC	1533
ZNF132	CSB-CL026531HU	BC109107	7691	pENTR223.1 or pUC	2121
ZNF133	CSB-CL026532HU	BC001887	7692	pENTR223.1 or pUC	1962



Name	Code	Accession No.	Gene ID	Vector	Length
ZNF136	CSB-CL026535HU	BC006421	7695	pENTR223.1 or pUC	1623
ZNF138	CSB-CL026537HU	BC131762	7697	pENTR223.1 or pUC	519
ZNF148	CSB-CL026544HU	BC018971	7707	pENTR223.1 or pUC	396
ZNF155	CSB-CL026546HU	BC126377	7711	pENTR223.1 or pUC	1617
ZNF16	CSB-CL026548HU	BC010996	7564	pENTR223.1 or pUC	2013
ZNF165	CSB-CL026551HU	BC026092	7718	pENTR223.1 or pUC	1458
ZNF167	CSB-CL026552HU	BC010555	55888	pENTR223.1 or pUC	831
ZNF169	CSB-CL026553HU2	BC011947	169841	pENTR223.1 or pUC	381
ZNF169	CSB-CL026553HU3	BC019228	169841	pENTR223.1 or pUC	291
ZNF174	CSB-CL026555HU	BC000876	7727	pENTR223.1 or pUC	705
ZNF175	CSB-CL026556HU	BC052997	7728	pENTR223.1 or pUC	2136
ZNF177	CSB-CL026558HU	BC012012	7730	pENTR223.1 or pUC	966
ZNF18	CSB-CL026559HU	BC036096	7566	pENTR223.1 or pUC	1650
ZNF180	CSB-CL026560HU	BC113015	7733	pENTR223.1 or pUC	2076
ZNF184	CSB-CL026563HU	BC022992	7738	pENTR223.1 or pUC	2256
ZNF187	CSB-CL026565HU	BC013951	7741	pENTR223.1 or pUC	978
ZNF189	CSB-CL026566HU	BC126120	7743	pENTR223.1 or pUC	1839
ZNF19	CSB-CL026567HU	BC047091	7567	pENTR223.1 or pUC	1377
ZNF192	CSB-CL026568HU	BC096283	7745	pENTR223.1 or pUC	1737
ZNF193	CSB-CL026569HU	BC010374	7746	pENTR223.1 or pUC	1185
ZNF195	CSB-CL026570HU	BC121029	7748	pENTR223.1 or pUC	1821
ZNF2	CSB-CL026572HU1	BC005068	7549	pENTR223.1 or pUC	879
ZNF2	CSB-CL026572HU2	BC009976	7549	pENTR223.1 or pUC	879
ZNF200	CSB-CL026574HU1	BC054005	7752	pENTR223.1 or pUC	1182
ZNF200	CSB-CL026574HU2	BC012909	7752	pENTR223.1 or pUC	1188
ZNF207	CSB-CL026578HU1	BC002372	7756	pENTR223.1	1392
ZNF207	CSB-CL026578HU2	BC008023	7756	pENTR223.1 or pUC	1188



Name	Code	Accession No.	Gene ID	Vector	Length
ZNF212	CSB-CL026582HU	BC022785	7988	pENTR223.1 or pUC	1488
ZNF215	CSB-CL026585HU	BC014538	7762	pENTR223.1 or pUC	915
ZNF22	CSB-CL026588HU	BC010642	7570	pENTR223.1 or pUC	675
ZNF221	CSB-CL026589HU	BC113426	7638	pENTR223.1 or pUC	1854
ZNF223	CSB-CL026591HU	BC022466	7766	pENTR223.1 or pUC	1449
ZNF226	CSB-CL026594HU	BC017786	7769	pENTR223.1 or pUC	285
ZNF227	CSB-CL026595HU	BC047570	7770	pENTR223.1 or pUC	2400
ZNF230	CSB-CL026598HU	BC050340	7773	pENTR223.1 or pUC	1425
ZNF232	CSB-CL026599HU	BC016039	7775	pENTR223.1 or pUC	1254
ZNF238	CSB-CL026604HU	BC036677	10472	pENTR223.1 or pUC	1569
ZNF239	CSB-CL026605HU	BC026030	8187	pENTR223.1 or pUC	1377
ZNF24	CSB-CL026606HU1	BC003566	7572	pENTR223.1 or pUC	1107
ZNF24	CSB-CL026606HU2	BC016801	7572	pENTR223.1 or pUC	1107
ZNF248	CSB-CL026608HU2	BC021819	57209	pENTR223.1 or pUC	336
ZNF248	CSB-CL026608HU1	BC132915	57209	pENTR223.1 or pUC	1740
ZNF25	CSB-CL026609HU	BC036038	219749	pENTR223.1 or pUC	1263
ZNF250	CSB-CL026610HU	BC017091	58500	pENTR223.1 or pUC	1533
ZNF253	CSB-CL026613HU1	BC065572	56242	pENTR223.1 or pUC	1272
ZNF254	CSB-CL026614HU1	BC056243	9534	pENTR223.1 or pUC	276
ZNF26	CSB-CL026619HU1	BC008211	7574	pENTR223.1 or pUC	600
ZNF26	CSB-CL026619HU2	BC046206	7574	pENTR223.1 or pUC	1602
ZNF260	CSB-CL026620HU	BC122549	339324	pENTR223.1 or pUC	1239
ZNF263	CSB-CL026621HU	BC008805	10127	pENTR223.1 or pUC	2052
ZNF264	CSB-CL026622HU	BC115411	9422	pENTR223.1 or pUC	1884
ZNF266	CSB-CL026623HU1	BC017407	10781	pENTR223.1 or pUC	792
ZNF267	CSB-CL026624HU1	BC036367	10308	pENTR223.1 or pUC	2232
ZNF267	CSB-CL026624HU2	BC127088	10308	pENTR223.1 or pUC	2232



Name	Code	Accession No.	Gene ID	Vector	Length
ZNF268	CSB-CL026625HU	BC110542	10795	pENTR223.1 or pUC	2844
ZNF273	CSB-CL026627HU1	BC008386	10793	pENTR223.1 or pUC	246
ZNF273	CSB-CL026627HU2	BC019234	10793	pENTR223.1 or pUC	150
ZNF273	CSB-CL026627HU3	BC063818	10793	pENTR223.1 or pUC	1515
ZNF274	CSB-CL850299HU	BC009763	10782	pENTR223.1 or pUC	1962
ZNF276	CSB-CL026630HU1	BC032781	92822	pENTR223.1 or pUC	1122
ZNF276	CSB-CL026630HU2	BC107603	92822	pENTR223.1 or pUC	1620
ZNF277	CSB-CL026631HU	BC020626	11179	pENTR223.1 or pUC	837
ZNF280A	CSB-CL350739HU	BC053901	129025	pENTR223.1 or pUC	1629
ZNF281	CSB-CL026637HU	BC060820	23528	pENTR223.1 or pUC	2688
ZNF283	CSB-CL026639HU	BC045755	284349	pENTR223.1 or pUC	252
ZNF286A	CSB-CL026642HU	BC128259	57335	pENTR223.1 or pUC	1230
ZNF287	CSB-CL026644HU	BC113363	57336	pENTR223.1 or pUC	2265
ZNF3	CSB-CL026651HU1	BC013603	7551	pENTR223.1 or pUC	1233
ZNF3	CSB-CL026651HU2	BC011887	7551	pENTR223.1 or pUC	1341
ZNF3	CSB-CL026651HU3	BC008031	7551	pENTR223.1 or pUC	237
ZNF300	CSB-CL026653HU	BC117248	91975	pENTR223.1 or pUC	1815
ZNF302	CSB-CL026654HU	BC024176	55900	pENTR223.1 or pUC	1200
ZNF304	CSB-CL026655HU	BC111532	57343	pENTR223.1 or pUC	2121
ZNF317	CSB-CL026663HU1	BC078154	57693	pENTR223.1 or pUC	1788
ZNF32	CSB-CL026667HU	BC022842	7580	pENTR223.1 or pUC	822
ZNF323	CSB-CL026672HU1	BC008490	64288	pENTR223.1 or pUC	630
ZNF323	CSB-CL026672HU2	BC065241	64288	pENTR223.1 or pUC	744
ZNF324	CSB-CL026673HU	BC007717	25799	pENTR223.1 or pUC	861
ZNF329	CSB-CL026676HU	BC047501	79673	pENTR223.1 or pUC	1626
ZNF331	CSB-CL026680HU	BC009433	55422	pENTR223.1 or pUC	1392
ZNF333	CSB-CL026681HU1	BC064571	84449	pENTR223.1 or pUC	549



Name	Code	Accession No.	Gene ID	Vector	Length
ZNF334	CSB-CL026682HU	BC024177	55713	pENTR223.1 or pUC	2043
ZNF33B	CSB-CL026686HU	BC109232	7582	pENTR223.1 or pUC	2001
ZNF34	CSB-CL816918HU1	BC004480	80778	pENTR223.1 or pUC	1620
ZNF34	CSB-CL816918HU2	BC028136	80778	pENTR223.1 or pUC	1650
ZNF341	CSB-CL026688HU	BC132873	84905	pENTR223.1 or pUC	2565
ZNF343	CSB-CL026689HU1	BC011862	79175	pENTR223.1 or pUC	1176
ZNF343	CSB-CL026689HU2	BC002897	79175	pENTR223.1 or pUC	357
ZNF350	CSB-CL026694HU	BC009921	59348	pENTR223.1 or pUC	1599
ZNF354A	CSB-CL026695HU	BC047105	6940	pENTR223.1 or pUC	1818
ZNF366	CSB-CL026702HU	BC121053	167465	pENTR223.1 or pUC	2235
ZNF37A	CSB-CL026704HU	BC015858	7587	pENTR223.1 or pUC	1686
ZNF384	CSB-CL026709HU	BC053361	171017	pENTR223.1 or pUC	1383
ZNF385A	CSB-CL026710HU	BC029752	25946	pENTR223.1 or pUC	1101
ZNF385B	CSB-CL026711HU	BC038422	151126	pENTR223.1 or pUC	1110
ZNF385C	CSB-CL026712HU	BC080613	201181	pENTR223.1 or pUC	525
ZNF385D	CSB-CL026713HU	BC007212	79750	pENTR223.1 or pUC	1188
ZNF396	CSB-CL026719HU2	BC130288	252884	pENTR223.1 or pUC	1002
ZNF397	CSB-CL026720HU	BC006172	84307	pENTR223.1 or pUC	828
ZNF398	CSB-CL026722HU	BC043295	57541	pENTR223.1 or pUC	1929
ZNF404	CSB-CL026724HU	BC101333	342908	pENTR223.1 or pUC	1659
ZNF410	CSB-CL026730HU	BC050683	57862	pENTR223.1 or pUC	1296
ZNF416	CSB-CL026733HU	BC000130	55659	pENTR223.1 or pUC	1785
ZNF418	CSB-CL026735HU1	BC113707	147686	pENTR223.1 or pUC	2031
ZNF418	CSB-CL026735HU2	BC112244	147686	pENTR223.1 or pUC	2031
ZNF419	CSB-CL026736HU	BC008297	79744	pENTR223.1 or pUC	1533
ZNF426	CSB-CL026740HU	BC001791	79088	pENTR223.1 or pUC	1665
ZNF428	CSB-CL026741HU2	BC015950	126299	pENTR223.1 or pUC	567



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ZNF43	CSB-CL026743HU	BC006528	7594	pENTR223.1 or pUC	2430
ZNF430	CSB-CL026744HU	BC111776	80264	pENTR223.1 or pUC	1710
ZNF432	CSB-CL026746HU	BC002858	9668	pENTR223.1 or pUC	1959
ZNF433	CSB-CL026747HU	BC047412	163059	pENTR223.1 or pUC	1917
ZNF434	CSB-CL026748HU	BC002859	54925	pENTR223.1 or pUC	771
ZNF436	CSB-CL026750HU	BC056400	80818	pENTR223.1 or pUC	1413
ZNF44	CSB-CL322788HU1	BC032246	51710	pENTR223.1 or pUC	465
ZNF44	CSB-CL322788HU2	BC001868	51710	pENTR223.1 or pUC	243
ZNF440	CSB-CL026754HU	BC035760	126070	pENTR223.1 or pUC	1788
ZNF446	CSB-CL026760HU	BC017206	55663	pENTR223.1 or pUC	1269
ZNF449	CSB-CL026761HU2	BC065938	203523	pENTR223.1 or pUC	384
ZNF449	CSB-CL026761HU1	BC060768	203523	pENTR223.1	1557
ZNF451	CSB-CL026763HU	BC021712	26036	pENTR223.1 or pUC	2799
ZNF454	CSB-CL026765HU	BC112276	285676	pENTR223.1 or pUC	1569
ZNF460	CSB-CL026766HU	BC118625	10794	pENTR223.1 or pUC	1689
ZNF461	CSB-CL026767HU	BC028631	92283	pENTR223.1 or pUC	1311
ZNF462	CSB-CL026768HU	BC036884	58499	pENTR223.1 or pUC	2655
ZNF468	CSB-CL026771HU	BC063143	90333	pENTR223.1 or pUC	297
ZNF471	CSB-CL026774HU1	BC028227	57573	pENTR223.1 or pUC	303
ZNF473	CSB-CL026775HU	BC018612	25888	pENTR223.1 or pUC	2616
ZNF483	CSB-CL026780HU	BC065738	158399	pENTR223.1 or pUC	735
ZNF484	CSB-CL026781HU	BC112396	83744	pENTR223.1 or pUC	2559
ZNF486	CSB-CL026783HU	BC117268	90649	pENTR223.1 or pUC	1392
ZNF488	CSB-CL026785HU1	BC051323	118738	pENTR223.1 or pUC	1023
ZNF490	CSB-CL026786HU	BC038586	57474	pENTR223.1 or pUC	1590
ZNF501	CSB-CL026794HU	BC013762	115560	pENTR223.1 or pUC	789
ZNF502	CSB-CL026795HU	BC028377	91392	pENTR223.1 or pUC	1635



Name	Code	Accession No.	Gene ID	Vector	Length
ZNF503	CSB-CL026796HU2	BC007494	84858	pENTR223.1 or pUC	852
ZNF512	CSB-CL026802HU	BC043221	84450	pENTR223.1 or pUC	1473
ZNF513	CSB-CL026804HU	BC052282	130557	pENTR223.1 or pUC	1626
ZNF517	CSB-CL026807HU	BC126161	340385	pENTR223.1 or pUC	1479
ZNF518A	CSB-CL026808HU	BC109045	9849	pENTR223.1 or pUC	2862
ZNF519	CSB-CL026810HU	BC024227	162655	pENTR223.1 or pUC	1623
ZNF529	CSB-CL026817HU	BC064690	57711	pENTR223.1 or pUC	1593
ZNF530	CSB-CL026818HU	BC060865	348327	pENTR223.1 or pUC	1800
ZNF544	CSB-CL026826HU2	BC067271	27300	pENTR223.1 or pUC	2148
ZNF546	CSB-CL026827HU	BC045649	339327	pENTR223.1 or pUC	2511
ZNF548	CSB-CL026829HU	BC030788	147694	pENTR223.1 or pUC	1602
ZNF549	CSB-CL026830HU	BC060863	256051	pENTR223.1 or pUC	1923
ZNF550	CSB-CL026831HU1	BC034810	162972	pENTR223.1 or pUC	1242
ZNF550	CSB-CL026831HU2	BC053858	162972	pENTR223.1 or pUC	1242
ZNF554	CSB-CL026834HU	BC047777	115196	pENTR223.1 or pUC	1617
ZNF555	CSB-CL026835HU	BC022022	148254	pENTR223.1 or pUC	1887
ZNF556	CSB-CL026836HU	BC009374	80032	pENTR223.1 or pUC	1368
ZNF557	CSB-CL026837HU	BC003020	79230	pENTR223.1 or pUC	1126
ZNF558	CSB-CL026838HU	BC064356	148156	pENTR223.1 or pUC	1209
ZNF559	CSB-CL026839HU	BC006436	84527	pENTR223.1 or pUC	1617
ZNF560	CSB-CL026841HU	BC101040	147741	pENTR223.1 or pUC	2373
ZNF561	CSB-CL026842HU	BC032668	93134	pENTR223.1 or pUC	1254
ZNF562	CSB-CL026843HU	BC109062	54811	pENTR223.1 or pUC	1281
ZNF563	CSB-CL026844HU	BC022523	147837	pENTR223.1 or pUC	1431
ZNF564	CSB-CL026845HU	BC065023	163050	pENTR223.1 or pUC	1662
ZNF566	CSB-CL026847HU	BC007064	84924	pENTR223.1 or pUC	1257
ZNF567	CSB-CL026848HU	BC033849	163081	pENTR223.1 or pUC	1851



Name	Code	Accession No.	Gene ID	Vector	Length
ZNF57	CSB-CL026851HU	BC028974	126295	pENTR223.1 or pUC	1668
ZNF571	CSB-CL026853HU	BC114479	51276	pENTR223.1 or pUC	1830
ZNF572	CSB-CL026854HU1	BC130517	137209	pENTR223.1 or pUC	1590
ZNF572	CSB-CL026854HU2	BC130515	137209	pENTR223.1 or pUC	1590
ZNF576	CSB-CL026858HU	BC002981	79177	pENTR223.1 or pUC	513
ZNF577	CSB-CL026859HU	BC004992	84765	pENTR223.1 or pUC	1437
ZNF578	CSB-CL026860HU	BC103904	147660	pENTR223.1 or pUC	1098
ZNF581	CSB-CL026863HU1	BC010097	51545	pENTR223.1 or pUC	594
ZNF581	CSB-CL026863HU2	BC001219	51545	pENTR223.1 or pUC	594
ZNF582	CSB-CL026864HU	BC101009	147948	pENTR223.1 or pUC	1554
ZNF583	CSB-CL026865HU	BC111772	147949	pENTR223.1 or pUC	1710
ZNF585A	CSB-CL026867HU1	BC026081	199704	pENTR223.1 or pUC	342
ZNF586	CSB-CL026869HU	BC124558	54807	pENTR223.1 or pUC	633
ZNF587	CSB-CL026870HU1	BC017219	84914	pENTR223.1 or pUC	369
ZNF587	CSB-CL026870HU2	BC126237	84914	pENTR223.1 or pUC	1728
ZNF593	CSB-CL026873HU	BC002580	51042	pENTR223.1 or pUC	351
ZNF595	CSB-CL026875HU	BC036110	152687	pENTR223.1 or pUC	1947
ZNF596	CSB-CL026876HU	BC026190	169270	pENTR223.1 or pUC	1497
ZNF597	CSB-CL026877HU	BC029899	146434	pENTR223.1 or pUC	1275
ZNF606	CSB-CL026886HU	BC037209	80095	pENTR223.1 or pUC	2379
ZNF607	CSB-CL026887HU1	BC005085	84775	pENTR223.1 or pUC	471
ZNF607	CSB-CL026887HU2	BC014850	84775	pENTR223.1 or pUC	1116
ZNF610	CSB-CL026890HU	BC039903	162963	pENTR223.1 or pUC	1260
ZNF611	CSB-CL026891HU	BC000918	81856	pENTR223.1 or pUC	456
ZNF614	CSB-CL026893HU1	BC004930	80110	pENTR223.1 or pUC	597
ZNF619	CSB-CL026897HU	BC117169	285267	pENTR223.1 or pUC	1704
ZNF621	CSB-CL026899HU	BC113415	285268	pENTR223.1 or pUC	1320



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ZNF622	CSB-CL026900HU	BC008752	90441	pENTR223.1 or pUC	1434
ZNF624	CSB-CL026902HU	BC103944	57547	pENTR223.1 or pUC	2220
ZNF625	CSB-CL026903HU	BC007868	90589	pENTR223.1 or pUC	921
ZNF626	CSB-CL026904HU	BC007116	199777	pENTR223.1 or pUC	279
ZNF627	CSB-CL026905HU	BC069232	199692	pENTR223.1 or pUC	1386
ZNF639	CSB-CL026910HU	BC020500	51193	pENTR223.1 or pUC	1458
ZNF641	CSB-CL026911HU	BC018090	121274	pENTR223.1 or pUC	909
ZNF643	CSB-CL026913HU	BC017498	65243	pENTR223.1 or pUC	1299
ZNF645	CSB-CL836684HU1	BC126190	158506	pENTR223.1	1278
ZNF645	CSB-CL836684HU2	BC126192	158506	pENTR223.1	1278
ZNF655	CSB-CL026923HU1	BC000823	79027	pENTR223.1 or pUC	546
ZNF655	CSB-CL026923HU2	BC037407	79027	pENTR223.1 or pUC	1476
ZNF662	CSB-CL026928HU	BC128085	389114	pENTR223.1 or pUC	1176
ZNF670	CSB-CL026936HU	BC005360	93474	pENTR223.1 or pUC	1170
ZNF671	CSB-CL026937HU	BC025728	79891	pENTR223.1 or pUC	1671
ZNF672	CSB-CL026938HU1	BC008872	79894	pENTR223.1 or pUC	672
ZNF673	CSB-CL711455HU	BC012569	55634	pENTR223.1 or pUC	297
ZNF677	CSB-CL026943HU	BC050038	342926	pENTR223.1 or pUC	1755
ZNF679	CSB-CL026945HU	BC033523	168417	pENTR223.1 or pUC	1236
ZNF680	CSB-CL026946HU	BC030700	340252	pENTR223.1 or pUC	1593
ZNF684	CSB-CL026950HU	BC016016	127396	pENTR223.1 or pUC	609
ZNF688	CSB-CL026952HU	BC018997	146542	pENTR223.1 or pUC	831
ZNF689	CSB-CL026953HU	BC014000	115509	pENTR223.1 or pUC	1503
ZNF69	CSB-CL026954HU	BC051309	7620	pENTR223.1 or pUC	450
ZNF695	CSB-CL026957HU1	BC055096	57116	pENTR223.1 or pUC	267
ZNF695	CSB-CL026957HU2	BC023527	57116	pENTR223.1 or pUC	402
ZNF695	CSB-CL026957HU3	BC041082	57116	pENTR223.1 or pUC	519



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ZNF697	CSB-CL026959HU	BC033126	90874	pENTR223.1 or pUC	411
ZNF699	CSB-CL026960HU	BC109268	374879	pENTR223.1 or pUC	1929
ZNF701	CSB-CL026964HU	BC080612	55762	pENTR223.1 or pUC	1398
ZNF702P	CSB-CL867177HU	BC032590	79986	pENTR223.1 or pUC	390
ZNF706	CSB-CL026974HU	BC015925	51123	pENTR223.1 or pUC	231
ZNF707	CSB-CL026975HU	BC014894	286075	pENTR223.1 or pUC	1110
ZNF71	CSB-CL885697HU	BC014280	58491	pUC	1470
ZNF718	CSB-CL026985HU1	BC052600	255403	pENTR223.1 or pUC	291
ZNF718	CSB-CL026985HU2	BC104027	255403	pENTR223.1 or pUC	1437
ZNF738	CSB-CL843334HU	BC034499	148203	pENTR223.1 or pUC	414
ZNF750	CSB-CL027012HU	BC109037	79755	pENTR223.1 or pUC	2172
ZNF75A	CSB-CL027013HU	BC119652	7627	pENTR223.1 or pUC	891
ZNF764	CSB-CL027020HU	BC008821	92595	pENTR223.1 or pUC	1227
ZNF765	CSB-CL027021HU	BC017357	91661	pENTR223.1 or pUC	183
ZNF767	CSB-CL741699HU	BC047675	79970	pENTR223.1 or pUC	357
ZNF768	CSB-CL027024HU	BC013760	79724	pENTR223.1 or pUC	1563
ZNF77	CSB-CL027025HU	BC062561	58492	pENTR223.1 or pUC	1638
ZNF770	CSB-CL027026HU	BC071603	54989	pENTR223.1 or pUC	2076
ZNF774	CSB-CL027030HU	BC067279	342132	pENTR223.1 or pUC	1452
ZNF785	CSB-CL027041HU	BC040642	146540	pENTR223.1 or pUC	1218
ZNF79	CSB-CL027045HU	BC062309	7633	pENTR223.1 or pUC	1497
ZNF791	CSB-CL027047HU	BC106937	163049	pENTR223.1 or pUC	1731
ZNF8	CSB-CL027051HU	BC039323	7554	pENTR223.1 or pUC	1728
ZNF800	CSB-CL027053HU	BC110624	168850	pENTR223.1 or pUC	1995
ZNF808	CSB-CL027060HU1	BC017109	388558	pENTR223.1 or pUC	228
ZNF821	CSB-CL027066HU	BC012116	55565	pENTR223.1 or pUC	1113
ZNF823	CSB-CL027067HU	BC052597	55552	pENTR223.1 or pUC	1833



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ZNF829	CSB-CL027071HU	BC107132	374899	pENTR223.1 or pUC	1299
ZNF83	CSB-CL344724HU	BC063032	55769	pENTR223.1 or pUC	1008
ZNF830	CSB-CL027073HU	BC011584	91603	pENTR223.1 or pUC	1047
ZNF839	CSB-CL027081HU	BC006222	55778	pENTR223.1 or pUC	426
ZNF844	CSB-CL027086HU	BC125186	284391	pENTR223.1 or pUC	2001
ZNF846	CSB-CL027088HU	BC118657	162993	pENTR223.1 or pUC	1215
ZNF92	CSB-CL027102HU1	BC036439	168374	pENTR223.1 or pUC	1554
ZNF92	CSB-CL027102HU2	BC040594	168374	pENTR223.1 or pUC	1761
ZNF98	CSB-CL027106HU	BC110576	148198	pENTR223.1 or pUC	1596
ZNF99	CSB-CL027107HU	BC021822	7652	pENTR223.1 or pUC	717
ZNHIT1	CSB-CL027109HU	BC017333	10467	pENTR223.1	465
ZNRD1	CSB-CL885791HU1	BC010898	30834	pENTR223.1 or pUC	381
ZNRD1	CSB-CL885791HU2	BC050608	30834	pENTR223.1 or pUC	381
ZBPB	CSB-CL866271HU	BC005223	11055	pENTR223.1 or pUC	1056
ZBPB2	CSB-CL751060HU	BC043152	124626	pENTR223.1 or pUC	948
ZRANB2	CSB-CL027127HU	BC039814	9406	pENTR223.1 or pUC	963
ZRSR1	CSB-CL614898HU	BC113599	7310	pENTR223.1 or pUC	1440
ZSCAN12	CSB-CL027132HU	BC041661	9753	pENTR223.1	1815
ZSCAN16	CSB-CL862018HU	BC004255	80345	pENTR223.1 or pUC	1047
ZSCAN2	CSB-CL772037HU	BC041620	54993	pENTR223.1 or pUC	453
ZSCAN20	CSB-CL027136HU1	BC011404	7579	pENTR223.1 or pUC	1302
ZSCAN29	CSB-CL809002HU	BC109271	146050	pENTR223.1 or pUC	1389
ZSCAN5A	CSB-CL863124HU	BC002636	79149	pENTR223.1 or pUC	1491
ZSWIM1	CSB-CL871556HU	BC001672	90204	pENTR223.1 or pUC	1371
ZSWIM2	CSB-CL854109HU	BC031094	151112	pENTR223.1 or pUC	1902
ZUFSP	CSB-CL853384HU	BC016879	221302	pENTR223.1 or pUC	1737
ZWINT	CSB-CL527261HU	BC020979	11130	pENTR223.1 or pUC	834



Name	Code	Accession No.	Gene ID	Vector	Length
ZXDC	CSB-CL648494HU	BC002940	79364	pENTR223.1 or pUC	1176
ZYG11B	CSB-CL887185HU	BC029832	79699	pENTR223.1 or pUC	1173
ZYX	CSB-CL027165HU	BC008743	7791	pENTR223.1 or pUC	1719
ZZZ3	CSB-CL810302HU2	BC035079	26009	pENTR223.1 or pUC	1230
ZZZ3	CSB-CL810302HU1	BC035818	26009	pENTR223.1 or pUC	2712

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