

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
ABCC9	601439	60	NM_020297.2	LRG_377p1
ABCG5	605459	13886	NM_022436.3	LRG_1181p1
ABCG8	605460	13887	NM_022437.3	LRG_1182p1
ACAD9	611103	21497	NM_014049.5	-
ACTA1	102610	129	NM_001100.4	LRG_429p1
ACTA2	102620	130	NM_001613.2	LRG_781p1
ACTC1	102540	143	NM_005159.4	LRG_388p1
ACTN2	102573	164	NM_001103.3	LRG_436p1
ADCY8	103070	239	NM_001115.3	-
AGL	610860	321	NM_000642.3	-
AKAP9	604001	379	NM_005751.4	LRG_331p1
AKT3	611223	393	NM_005465.7	LRG_1396
ALG10B	603313	31088	NM_001013620.3	-
ALMS1	606844	428	NM_001378454.1	LRG_741p1
ALPK3	617608	17574	NM_020778.5	-
ANK2	106410	493	NM_001148.4	LRG_327p1
ANKRD1	609599	15819	NM_014391.3	LRG_379p1
APOA4	107690	602	NM_000482.4	-
APOA5	606368	17288	NM_052968.5	-
APOB	107730	603	NM_000384.3	-
APOC2	608083	609	NM_000483.5	-
APOE	107741	613	NM_000041.4	-
ATP2A2	108740	812	NM_170665.4	-
ATP6V1A	607027	851	NM_001690.4	-
ATP6V1E1	108746	857	NM_001696.4	-
BAG3	603883	939	NM_004281.4	LRG_742p1
BGN	301870	1044	NM_001711.6	-
BMP10	608748	20869	NM_014482.3	LRG_403
BMP2	112261	1069	NM_001200.4	-
BMP4	112262	1071	NM_001202.6	-
BRAF	619589	1097	NM_004333.6	LRG_299p1
CACNA1C	114205	1390	NM_000719.6	LRG_334p1
CACNA1D	114206	1391	NM_000720.4	-
CACNA1G	604065	1394	NM_018896.5	-
CACNA1H	607904	1395	NM_021098.3	-
CACNA1I	608230	1396	NM_021096.4	-
CACNA1S	114208	1397	NM_000069.2	-
CACNA2D1	114204	1399	NM_000722.3	LRG_437p1
CACNB2	600003	1402	NM_201590.2	LRG_381p2
CALM1	114180	1442	NM_006888.4	-
CALM2	114182	1445	NM_001743.4	-
CALM3	114183	1449	NM_005184.3	LRG_1082
CALR3	611414	20407	NM_145046.4	LRG_422p1
CaMKII	114078	1460	NM_172115.2	-
CASQ2	114251	1513	NM_001232.3	LRG_404p1
CAV3	601253	1529	NM_001234.4	LRG_329p1
CAVIN4	617714	33742	NM_001018116.2	LRG_760
CBL	165360	1541	NM_005188.4	LRG_608p1
CBS	613381	1550	NM_000071.2	LRG_777p1
CCND2	123833	1583	NM_001759.4	-
CDH2	114020	1759	NM_001792.5	-
CDKL5	300203	11411	NM_003159.3	-

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
CETP	118470	1869	NM_000078.3	-
CHD4	603006	0	NM_001273.5	-
CHRM1	118510	1950	NM_000738.3	-
CHRM2	118493	1951	NM_000739.2	LRG_405
CHRM3	118494	1952	NM_000740.2	-
CLCA2	604003	2016	NM_006536.7	-
CNTNAP2	604569	13830	NM_014141.6	-
COL1A1	120150	2197	NM_000088.4	LRG_1
COL3A1	120180	2201	NM_000090.4	LRG_3p1
COL4A3	120070	2204	NM_000091.5	LRG_230
COL5A1	120215	2209	NM_000093.5	LRG_737p1
COL5A2	120190	2210	NM_000393.5	LRG_738p1
COX15	603646	2263	NM_004376.7	LRG_406p2
CREB3L3	611998	18855	NM_032607.3	-
CRELD1	607170	14630	NM_001031717.4	-
CRYAB	123590	2389	NM_001885.3	LRG_407p1
CSRP3	600824	2472	NM_003476.5	LRG_440p1
CTF1	600435	2499	NM_001330.5	LRG_408p1
CTNNA3	607667	2511	NM_013266.4	-
CYP2C19		0	NM_00769.4	LRG_584p1
DCBLD2	608698	24627	NM_080927.4	-
DCHS1	603057	13681	NM_003737.2	-
DES	125660	2770	NM_001927.3	LRG_380p1
DLG1	601014	0	NM_001098424.1	-
DLL1	606582	2908	NM_005618.4	-
DMD	300377	2928	NM_004006.3	LRG_199p1
DNAJB6	611332	14888	NM_058246.4	-
DNAJC19	608977	30528	NM_145261.4	LRG_743p1
DOLK	610746	23406	NM_014908.4	LRG_744p1
DPP6	126141	3010	NM_130797.4	-
DSC2	125645	3036	NM_024422.3	LRG_400p2
DSG2	125671	3049	NM_001943.3	LRG_397p1
DSP	125647	3052	NM_004415.2	LRG_423p1
DTNA	601239	3057	NM_001390.4	LRG_756p1
DZIP1	608671	20908	NM_198968.4	-
EFEMP2	604633	3219	NM_016938.5	-
ELN	130160	3327	NM_001278939.2	-
EMD	300384	3331	NM_000117.3	LRG_745p1
EPHB4	600011	3395	NM_004444.5	-
EYA4	603550	3522	NM_004100.5	LRG_418p1
FBN1	134797	3603	NM_000138.5	LRG_778p1
FBN2	612570	3604	NM_001999.4	-
FHL1	300163	3702	NM_001159702.3	LRG_739p2
FHL2	602633	3703	NM_001450.3	LRG_740p1
FHOD3	609691	26178	NM_001281740.3	-
FKRP	606596	17997	NM_02301.5	LRG_761p1
FKTN	607440	3622	NM_001079802.2	LRG_434p1
FLNA	300017	3754	NM_001110556.1	LRG_1340
FLNC	102565	3756	NM_001458.4	LRG_870
FOXE3	601094	3808	NM_012186.3	-
FXN	606829	3951	NM_000144.5	LRG_339p1
GAA	606800	4065	NM_000152.5	LRG_673p1

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
GATA4	600576	4173	NM_002052.3	-
GATA6	601656	0	NM_005257.6	-
GATAD1	614518	29941	NM_021167.5	LRG_746p1
GCKR	600842	4196	NM_001486.4	-
GJA1	121014	4274	NM_000165.5	LRG_1289
GJA5	121013	4279	NM_005266.7	-
GJC1	608655	4280	NM_005497.4	-
GJD3	607425	19147	NM_152219.4	-
GLA	300644	4296	NM_000169.2	LRG_672p1
GNB1	139380	4396	NM_002074.5	-
GNB2	139390	4398	NM_005273.3	-
GNB3	139130	4400	NM_002075.4	-
GNB4	610863	20731	NM_021629.4	-
GNB5	604447	4401	NM_016194.4	-
GNG11	604390	4403	NM_004126.4	-
GPD1L	611778	28956	NM_015141.3	LRG_419p1
GPIHBP1	612757	24945	NM_178172.6	-
GREM2	608832	17655	NM_022469.4	-
GRIN2A	138253	4585	NM_001134407.3	-
GSTM3	138390	4635	NM_000849.5	-
GYG1	603942	4699	NM_004130.4	-
HADHA	600890	4802	NM_000182.5	LRG_747p1
HCN1	602780	4845	NM_021072.4	-
HCN2	602781	4846	NM_001194.3	-
HCN4	605206	16882	NM_005477.2	-
HFE	613609	4886	NM_000410.4	LRG_748p1
HRAS	190020	5173	NM_005343.4	LRG_506p1
HSPB8	608014	30171	NM_014365.3	LRG_249p1
ILK	602366	6040	NM_004517.4	LRG_444p1
ISL1	600366	6132	NM_002202.3	-
JAG1	601920	6188	NM_000214.3	LRG_1191p1
JPH2	605267	14202	NM_020433.4	LRG_394p1
JUP	173325	6207	NM_002230.2	LRG_401p2
KCNA5	176267	6224	NM_002234.3	-
KCNAB2	601142	6229	NM_003636.3	-
KCNB2	607738	6232	NM_004770.3	-
KCND2	605410	6238	NM_012281.3	-
KCND3	605411	6239	NM_004980.4	LRG_445p1
KCNE1	176261	6240	NM_000219.5	LRG_290p1
KCNE2	603796	6242	NM_172201.1	LRG_291p1
KCNE3	604433	6243	NM_005472.4	LRG_439p1
KCNE5	300328	6241	NM_012282.2	LRG_1083p1
KCNG2	605696	0	NM_012283.2	-
KCNH2	152427	6251	NM_000238.3	LRG_288p1
KCNJ11	600937	6257	NM_000525.3	-
KCNJ12	602323	6258	NM_021012.5	-
KCNJ16	605722	6262	NM_018658.4	-
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KCNJ3	601534	6264	NM_002239.3	-
KCNJ4	600504	6265	NM_152868.3	-
KCNJ5	600734	6266	NM_000890.3	LRG_333p1

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
KCNJ8	600935	6269	NM_004982.3	-
KCNK1	601745	6272	NM_002245.3	-
KCNK17	607370	14465	NM_031460.3	-
KCNK2	603219	6277	NM_001017424.2	-
KCNK3	603220	6278	NM_002246.2	-
KCNK4	605720	6279	NM_033310.3	-
KCNMA1	600150	0	NM_002247.4	-
KCNN1	602982	6290	NM_002248.4	-
KCNN2	605879	6291	NM_021614.3	-
KCNN3	602983	6292	NM_002249.6	-
KCNN4	602754	6293	NM_002250.3	LRG_1305
KCNQ1	607542	6294	NM_000218.2	LRG_287p1
KCNT1	608167	18865	NM_020822.3	-
KLF10	601878	11810	NM_005655.4	LRG_758p1
KLF13	605328	0	NM_015995.4	-
KLF5	602903	6349	NM_001730.5	-
KLHL24	611295	0	NM_017644.3	-
KRAS	190070	6407	NM_033360.4	LRG_344p2
KRT19	148020	6436	NM_002276.5	-
LAMA2	156225	6482	NM_000426.4	LRG_409p1
LAMA4	600133	6484	NM_001105206.3	LRG_433p2
LAMP2	309060	6501	NM_002294.2	LRG_749p1
LDB3	605906	15710	NM_007078.2	LRG_385p1
LDLR	606945	6547	NM_000527.4	LRG_274p1
LDLRAP1	605747	18640	NM_015627.3	LRG_276p1
LEMD2	616312	21244	NM_181336.4	-
LMF1	611761	14154	NM_022773.4	-
LMNA	150330	6636	NM_170707.3	LRG_254p2
LOX	153455	6664	NM_002317.7	-
LPL	609708	6677	NM_000237.3	LRG_1298p1
LTBP2	602091	6715	NM_000428.3	-
LTBP3	602090	6716	NM_001130144.3	-
LZTR1	600574	6742	NM_006767.4	LRG_989
MAP2K1	176872	6840	NM_002755.4	LRG_725p1
MAP2K2	601263	6842	NM_030662.4	LRG_750p1
MAT2A	601468	6904	NM_005911.6	-
MECP2	300005	6990	NM_004992.4	LRG_764
MEF2A	600660	6993	NM_005587.6	-
MFAP5	601103	29673	NM_003480.4	-
MIB1	608677	21086	NM_020774.3	LRG_759p1
miR-139-3p			Sonden befinden sich in	-
miR-1976			Sonden befinden sich in	-
miR-370-3p			Sonden befinden sich in	-
miR-423-5p			Sonden befinden sich in	-
MLYCD	606761	7150	NM_012213.3	-
MRAS	608435	7227	NM_012219.4	-
MRPL44	611849	0	NM_022915.5	-
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MURC	617714	33742	NM_001018116.2	LRG_760p1
MYBPC3	600958	7551	NM_000256.3	LRG_386p1
MYH11	160745	7569	NM_001040113.2	LRG_1401p2
MYH6	160710	7576	NM_002471.3	LRG_389p1

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
MYH7	160760	7577	NM_000257.3	LRG_384p1
MYL2	160781	7583	NM_000432.4	LRG_393p1
MYL3	160790	7584	NM_000258.2	LRG_395p1
MYL4	160770	7585	NM_001002841.1	-
MYLK	600922	7590	NM_053025.4	-
MYLK2	606566	16243	NM_033118.3	LRG_392p1
MYO6	600970	7605	NM_004999.4	LRG_438p1
MYOM1	603508	7613	NM_003803.3	LRG_426
MYOT	604103	12399	NM_006790.3	LRG_201
MYOZ2	605602	1330	NM_016599.4	LRG_396p1
MYPN	608517	23246	NM_032578.3	LRG_410p1
NEBL	605491	16932	NM_006393.2	LRG_411
NEXN	613121	29557	NM_144573.3	LRG_442p1
NF1	613113	7765	NM_001042492.3	LRG_214
NGFR	162010	7809	NM_002507.4	-
NKX2.5	600584	2488	NM_004387.4	LRG_671p1
NNT	607878	7863	NM_012343.4	-
NODAL	601265	7865	NM_018055.5	-
NONO	300084	7871	NM_001145408.2	-
NOTCH1	190198	7881	NM_017617.3	LRG_1122p1
NOTCH3	600276	7883	NM_000435.3	-
NPPA	108780	7939	NM_006172.4	LRG_751p1
NRAP	602873	0	NM_001261463.2	-
NRAS	164790	7989	NM_002524.5	LRG_92p1
NUP155	606694	8063	NM_153485.3	-
OBSCN	608616	15719	NM_052843.4	LRG_412
ORAI1	610277	25896	NM_032790.3	LRG_93
PCSK9	607786	20001	NM_174936.4	LRG_275p1
PDLIM3	605889	20767	NM_014476.5	LRG_752p1
PDYN	131340	8820	NM_024411.5	LRG_667
PIK3CA	171834	8975	NM_006218.4	LRG_310
PIK3R2	603157	8980	NM_005027.4	LRG_1392
PITX2	601542	9005	NM_001204397.1	-
PITX2C			NM_000325.6	-
PKD1	601313	9008	NM_001009944.3	-
PKD2	173910	9009	NM_000297.4	-
PKP2	602861	9024	NM_004572.3	LRG_398p1
PLEC	601282	9069	NM_000445.5	-
PLEKHM2	609613	29131	NM_015164.4	-
PLN	172405	9080	NM_002667.3	LRG_390p1
PLOD1	153454	9081	NM_001316320.2	-
POPDC1	604577	1152	NM_007073.4	-
POPDC2	605823	17648	NM_022135.2	-
PPA2	609988	28883	NM_176869.3	-
PPP1CB	600590	9282	NM_206876.2	-
PPP1R13L	607463	18838	NM_006663.4	-
PRDM16	605557	14000	NM_022114.4	-
PRKAG2	602743	9386	NM_016203.3	LRG_430p1
PRKAR1A	188830	9388	NM_002734.5	LRG_514p1
PRKG1	176894	9414	NM_006258.4	LRG_1135
PRKRA	603424	9438	NM_003690.5	-
PSEN1	104311	9508	NM_000021.4	LRG_224

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
PSEN2	600759	9509	NM_000447.3	LRG_225
PTPN11	176876	9644	NM_002834.3	LRG_614p1
RAF1	164760	9829	NM_001354689.3	LRG_413p2
RANGRF	607954	17679	NM_016492.4	-
RANGRF	607954	17679	NM_016492.4	-
RASA1	139150	9871	NM_002890.3	LRG_1193
RASA2	601589	9872	NM_001303246.3	-
RBM10	300080	9896	NM_005676.5	-
RBM20	613171	27424	NM_001134363.2	LRG_382p1
RBM24	617603	21539	NM_001143942.2	-
RCAN3	605860	3042	NM_013441.4	-
REST	600571	9966	NM_005612.4	-
RGS4	602516	10000	NM_001102445.3	-
RGS6	603894	10002	NM_001204424.1	-
RIT1	609591	10023	NM_001256821.2	LRG_1372
RNF207	616923	32947	NM_207396.3	-
RPL3L	617416	0	NM_005061.3	-
RRAD	179503	10446	NM_001128850.1	-
RRAS	165090	10447	NM_006270.5	-
RYR1	180901	10483	NM_000540.3	LRG_766p1
RYR2	180902	10484	NM_001035.2	LRG_402p1
SALL4	607343	15924	NM_020436.5	LRG_675p1
SASH1	607955	19182	NM_015278.5	-
SCN10A	604427	10582	NM_006514.4	-
SCN1A	182389	10585	NM_001165963.1	LRG_8
SCN1B	600235	10586	NM_001037.4	LRG_420p1
SCN2A	182390	10588	NM_001040142.2	-
SCN2B	601327	10589	NM_004588.4	-
SCN3B	608214	20665	NM_001040151.2	LRG_421p1
SCN4A	603967	10591	NM_000334.4	-
SCN4B	608256	10592	NM_174934.3	LRG_330p1
SCN5A	600163	10593	NM_198056.2	LRG_289p1
SCN8A	600702	10596	NM_014191.4	LRG_1389
SCN9A	603415	10597	NM_002977.3	LRG_369
SCNN1A	600228	10599	NM_001038.6	-
SCO2	604272	10604	NM_005138.3	-
SDHA	600857	10680	NM_004168.4	LRG_315p1
SEMA3A	603961	10723	NM_006080.3	-
SEPN1	602771	15999	NM_206926.2	LRG_857p1
SGCB	600900	10806	NM_000232.5	LRG_204p1
SGCD	601411	10807	NM_000337.6	LRG_205p1
SGCG	608896	10809	NM_000231.3	LRG_207p1
SGO1	609168	25088	NM_001012410.5	-
SHOC2	602775	15454	NM_007373.4	LRG_753p1
SHOX2	602504	10854	NM_003030.4	-
SLC22A5	603377	10969	NM_001308122.2	-
SLC25A3	600370	10989	NM_005888.4	-
SLC25A4	103220	10990	NM_001151.4	LRG_441p1
SLC2A10	606145	13444	NM_030777.3	-
SLC4A3	106195	11029	NM_201574.2	-
SLC8A1	182305	11068	NM_021097.2	-
SLM2	610421	18117	NM_006558.3	-

Gen	OMIM	HGNC	LRG Transcript ID	LRG Protein ID
SLMAP	602701	16643	NM_001304420.3	-
SMAD2	601366	6768	NM_005901.6	-
SMAD3	603109	6769	NM_005902.4	-
SMAD4	600993	6770	NM_005359.6	LRG_318p1
SMAD9	603295	6774	NM_001127217.2	LRG_703
SMARCB1	601607	11103	NM_003073.5	LRG_520
SNTA1	601017	11167	NM_003098.3	LRG_332p1
SOS1	182530	11187	NM_005633.4	LRG_754p1
SOS2	601247	11188	NM_006939.4	-
SPEG	615950	0	NM_005876.5	-
SPRED1	609291	20249	NM_152594.3	-
SREBF2	600481	11290	NM_004599.4	-
STAMBP	606247	16950	NM_006463.6	-
STIM1	605921	11386	NM_003156.4	LRG_164
TANGO2	616830	25439	NM_152906.7	-
TAZ	300394	11577	NM_000116.4	LRG_131p1
TBX18	604613	11595	NM_001080508.3	-
TBX20	606061	11598	NM_001077653.2	LRG_755p1
TBX3	601621	11602	NM_016569.4	-
TBX5	601620	11604	NM_000192.3	LRG_670p1
TCAP	604488	11610	NM_003673.4	LRG_210p1
TECRL	617242	27365	NM_001010874.4	-
TGFB2	190220	11768	NM_001135599.3	-
TGFB3	190230	11769	NM_003239.2	LRG_399p1
TGFBR1	190181	11772	NM_004612.2	-
TGFBR2	190182	11773	NM_001024847.4	LRG_779p1
TJP1	601009	11827	NM_003257.5	-
TMEM168	-	25826	NM_001287497.2	-
TMEM43	612048	28472	NM_024334.2	LRG_435p1
TMEM70	612418	26050	NM_017866.6	-
TMPO	188380	11875	NM_003276.2	LRG_443p2
TNNC1	191040	11943	NM_003280.2	LRG_378p1
TNNI3	191044	11947	NM_000363.4	LRG_432p1
TNNI3K	613932	19661	NM_015978.3	LRG_678
TNNT2	191045	11949	NM_001001430.2	LRG_431p1
TPM1	191010	12010	NM_001018005.1	LRG_387p1
TRDN	603283	12261	NM_006073.3	-
TRIM63	606131	16007	NM_032588.4	LRG_757p1
TRPC1	602343	12333	NM_001251845.2	-
TRPC3	602345	12335	NM_001130698.1	-
TRPM4	606936	17993	NM_017636.3	-
TRPM7	605692	17994	NM_017672.4	LRG_1192
TSFM	604723	0	NM_001172696.2	-
TTN	188840	12403	NM_001256850.1	LRG_391p1
TTR	176300	12405	NM_000371.4	LRG_416p1
TXNRD2	606448	18155	NM_006440.4	LRG_417p1
VAPB	605704	12649	NM_004738.5	LRG_656
VARS2	612802	0	NM_001167734.2	-
VCL	193065	12665	NM_014000.3	LRG_383p1
VEZF1	606747	12949	NM_007146.3	-
VSNL1	600817	12722	NM_003385.4	-
XRCC4	194363	12831	NM_022406.5	-

Gen	OMIM	HGNC	LRG Transkript ID	LRG Protein ID
ZBTB17	604084	12936	NM_003443.2	-
ZFY	490000	12870	NM_003411.4	-
ZHX3	609598	15935	NM_015035.4	-
ZIC3	300265	12874	NM_003413.4	-