

**Gene (HGNC symbol)**

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AARS2  
ABHD5  
ACAD9  
ACADM  
ACADS  
ACADVL  
ACTA1  
ACTA2  
ACTG2  
ACTN2  
ADAMTS17  
ADAMTS2  
ADSS1  
AGK  
AGL  
AGRN  
AHCY  
AIFM1  
ALDOA  
ALG14  
AMPD1  
ANO5  
ANTXR1  
ARSB  
ASAH1  
ASCC1  
ATP2A1  
ATP6V1B2  
AXIN1  
B3GALNT2  
B3GALT6  
B3GAT3  
B4GAT1  
BAG3  
BICD2  
BIN1  
BMPER  
BVES  
CACNA1S  
CAPN3  
CASQ1  
CAV3  
CAVIN1  
CCDC151  
CCDC22  
CCDC78  
CCDC8  
CDC42

CDT1  
CFL2  
CHAT  
CHCHD10  
CHKB  
CHRNA1  
CHRNB1  
CHRND  
CHRNE  
CHST14  
CHST3  
CKAP2L  
CLCN1  
CLEC10A  
CNBP  
CNTN1  
COA3  
COL10A1  
COL12A1  
COL13A1  
COL18A1  
COL1A1  
COL1A2  
COL25A1  
COL27A1  
COL2A1  
COL3A1  
COL4A1  
COL5A1  
COL5A2  
COL6A1  
COL6A2  
COL6A3  
COL9A1  
COL9A2  
COL9A3  
COLQ  
COQ6  
COQ7  
CPT1A  
CPT2  
CRPPA  
CRYAB  
CTNS  
CUL7  
DAG1  
DDX58  
DES  
DGUOK  
DHODH

DHX16  
DMD  
DMGDH  
DMPK  
DNA2  
DNAJB6  
DNM2  
DOK7  
DOLK  
DPAGT1  
DPM1  
DPM2  
DPM3  
DRD2  
DVL1  
DYNC1H1  
DYSF  
EIF4A3  
EMD  
ENO3  
EPG5  
ETFA  
ETFB  
ETFDH  
EVC  
EVC2  
FAH  
FAM111A  
FAM111B  
FASTKD2  
FDX2  
FHL1  
FKBP14  
FKRP  
FKTN  
FLAD1  
FLNC  
FXR1  
G6PC  
GAA  
GALNS  
GBE1  
GFER  
GFPT1  
GGPS1  
GIPC1  
GMPPB  
GNE  
GNPTG  
GOLGA2

GPC6  
GPX4  
GYG1  
GYS1  
HACD1  
HADHA  
HADHB  
HNRNPA1  
HNRNPA2B1  
HNRNPDL  
HRAS  
HSPB1  
HSPB8  
HSPG2  
HYAL1  
INPP5K  
INPPL1  
ISCA2  
ISCU  
ITGA7  
ITGA9  
KBTBD13  
KCNH1  
KCNJ2  
KIF21A  
KIF22  
KLHL40  
KLHL41  
KY  
LAMA2  
LAMP2  
LARGE1  
LDB3  
LDHA  
LFNG  
LIFR  
LMNA  
LMOD3  
LPIN1  
LRP4  
MADD  
MAMLD1  
MAN2B1  
MAP3K20  
MATN3  
MATR3  
MEGF10  
MEGF8  
MGME1  
MICU1

MMP14  
MMP9  
MPV17  
MRPL44  
MSTN  
MSTO1  
MT-ATP6  
MT-CO1  
MT-CO2  
MT-CYB  
MT-ND5  
MT-ND6  
MT-TC  
MT-TF  
MT-TK  
MT-TP  
MT-TQ  
MT-TS2  
MT-TT  
MTM1  
MTMR14  
MTOR  
MUSK  
MYBPC1  
MYBPC3  
MYF6  
MYH14  
MYH2  
MYH3  
MYH7  
MYH8  
MYL1  
MYL2  
MYMK  
MYO18B  
MYOD1  
MYOT  
MYPN  
NARS2  
NBAS  
NEB  
NLRP1  
OBSL1  
OPA1  
ORAI1  
P4HB  
PABPN1  
PAX7  
PFKM  
PGAM2

PGK1  
PGM1  
PHKA1  
PHKA2  
PHKB  
PHKG2  
PHYH  
PI4KA  
PIEZO2  
PIP5K1C  
PLEC  
PLOD1  
PLOD2  
PNPLA2  
PNPLA6  
PNPLA8  
POGLUT1  
POLG  
POLG2  
POMGNT1  
POMGNT2  
POMK  
POMT1  
POMT2  
PRKAG2  
PRKAG3  
PUS1  
PYGM  
PYROXD1  
RAB33B  
RAPSN  
RBCK1  
RMND1  
RNF125  
RRM2B  
RUNX2  
RXYL1  
RZR1  
RZR3  
SALL4  
SCARF2  
SCN4A  
SCO2  
SEC23A  
SECISBP2  
SELENON  
SGCA  
SGCB  
SGCD  
SGCE

SGCG  
SH3BP2  
SIL1  
SLC22A5  
SLC25A20  
SLC25A4  
SLC25A42  
SLC35D1  
SLC39A13  
SLC39A8  
SLC52A2  
SLC52A3  
SMCHD1  
SMN1  
SMN2  
SNAP25  
SPEG  
SPTBN4  
SQSTM1  
STAC3  
STIM1  
SUCLA2  
SUCLG1  
SVIL  
SYNE1  
SYNE2  
SYT2  
TANGO2  
TAZ  
TBX15  
TBX3  
TBX4  
TBX6  
TCAP  
TGDS  
TGFB1  
TIA1  
TK2  
TMEM126B  
TMEM43  
TNNI2  
TNNT1  
TNNT3  
TNPO3  
TNXB  
TOR1AIP1  
TPM2  
TPM3  
TRAF3IP1  
TRAPPC11

TRDN  
TRIM32  
TRIP4  
TRPV4  
TSEN54  
TSFM  
TTN  
TTR  
TWIST1  
TWNK  
TYMP  
UBA1  
VCP  
VMA21  
VPS13A  
WRN  
XK  
YARS2