



Express Gene™ Musculoskeletal Disorder Panel

List of 234 genes covered in the panel:

ABCC9, ACAN, ACP5, ACTA1, ACTA2, ADAMTS2, AEBP1, AGL, AGPS, ALPL, AMPD1, ANKH, ANO5, AP2S1, ARSB, ARSE, ATP2A1, ATP6V0A4, B3GALNT2, B3GALT6, B4GALT7, B4GAT1, BAG3, BGN, BIN1, BMP1, BMP2, BMPR1B, BRAF, C1R, CACNA1S, CANT1, CAPN3, CAV3, CCDC78, CDH3, CEP120, CFL2, CHKB, CHST14, CHST3, CHSY1, CLCN1, CLCN5, CLCN7, CLDN16, CLDN19, CNTN1, COL10A1, COL11A1, COL11A2, COL12A1, COL1A1, COL1A2, COL2A1, COL3A1, COL5A1, COL5A2, COL6A1, COL6A2, COL6A3, COL9A1, COL9A2, COL9A3, COMP, CREB3L1, CRTAP, CRYAB, CTSK, CYP27B1, CYP2R1, DAG1, DDR2, DES, DLL3, DLX3, DMD, DMP1, DNAJB6, DPM3, DSE, DYNC2H1, DYSF, EBP, ECEL1, EMD, ENPP1, ESCO2, EXT1, FBLN1, FBN1, FBXO38, FGF23, FGFR1, FGFR2, FGFR3, FHL1, FKBP10, FKBP14, FKRP, FKTN, FLNB, FLNC, FXD2, GALNS, GDF5, GLI3, GMPPB, GNAS, GNE, GNPAT, GNS, GUSB, GYS1, HES7, HGSNAT, HNRNPDL, HOXD13, HRAS, HSPG2, HYAL1, IDS, IDUA, IFITM5, IHH, ISPD, ITGA7, KAT6B, KBTBD13, KDELR2, KLHL40, KLHL41, KRAS, LAMA2, LAMP2, LARGE1, LDB3, LFNG, LIMS2, LMBR1, LMOD3, LRP5, LTBP3, MAP2K1, MATN3, MEGF10, MESD, MMP13, MMP9, MSTN, MTM1, MTMR14, MYH2, MYH3, MYH7, MYL2, MYOT, MYPN, NALCN, NEB, NEK1, NKX3-2, NOG, NOTCH1, P3H1, PABPN1, PHEX, PHKA1, PIEZO2, PITX1, PLEC, PLOD1, PLOD2, PNPLA2, POMGNT1, POMGNT2, POMT1, POMT2, PPIB, PTH1R, PTHLH, PTPN11, PYGM, RAF1, RYR1, SELENON, SERPINF1, SERPINH1, SGCA, SGCB, SGCD, SGCG, SGSH, SLC34A3, SLC39A13, SOS1, SOX9, SP7, SPARC, SPEG, STAC3, STIM1, SYNE2, TBCE, TBX3, TBX5, TCAP, TENT5A, TGFB1, TGFB1R1, TGFB1R2, TIA1, TMEM38B, TMEM43, TMEM5, TNNI2, TNNT1, TNNT3, TNPO3, TNXB, TOR1AIP1, TP63, TPM2, TPM3, TRIM32, TRIP11, TRPM6, TTN, VDR, VMA21, VPS13A, WISP3, WNT1, WNT7A

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