



Express Gene™ Immunological Genetic Panel

List of 324 genes covered in the panel:

ACP5, ADA, ADA2, ADAM17, ADAMTS13, AICDA, AIRE, AK2, ARMC4, ARPC1B, ATG16L1, ATM, ATP6AP1, B2M, BACH2, BCL10, BCL11B, BLM, BLNK, BRAF, BRCA2, BTK, C1QA, C1QB, C1QC, C1R, C1S, C2, C3, C5, C6, C7, C8A, C8B, C9, CARD11, CARD9, CARMIL2, CASP10, CASP8, CCDC103, CCDC114, CCDC39, CCDC40, CCDC65, CCNO, CD19, CD247, CD27, CD3D, CD3E, CD3G, CD40, CD40LG, CD55, CD59, CD70, CD79A, CD79B, CD81, CD8A, CDCA7, CEBPE, CECR1, CFAP298, CFB, CFD, CFH, CFI, CFP, CFTR, CIITA, CLCN7, CLPB, COPA, CORO1A, CR2, CSF3R, CTLA4, CTPS1, CXCR4, CYBA, CYBB, DCLRE1B, DCLRE1C, DKC1, DNAAF1, DNAAF2, DNAAF3, DNAAF4, DNAAF5, DNAH1, DNAH11, DNAH5, DNAI1, DNAI2, DNAJC21, DNAL1, DNASE1L3, DNASE2, DNMT3B, DOCK2, DOCK8, DRC1, ELANE, EPG5, EPX, ERCC6L2, ETV6, EXTL3, F13A1, F13B, F5, F7, F9, FADD, FANCC, FAS, FASLG, FAT4, FCGR3A, FCN3, FERMT3, FGB, FN1, FOXC2, FOXP3, G6PC, G6PC3, G6PD, GAS8, GATA1, GATA2, GFI1, GINS1, HAX1, HELLS, HYDIN, HYU1, ICOS, IFIH1, IFNAR2, IFNGR1, IFNGR2, IGHM, IGLL1, IKBKAP, IKBKB, IKBKG, IKZF1, IL10, IL10RA, IL10RB, IL12RB1, IL17F, IL17RA, IL17RC, IL1RN, IL2, IL21, IL21R, IL2RA, IL2RB, IL2RG, IL7R, IRAK4, IRF2BP2, IRF3, IRF7, IRF8, ISG15, ITCH, ITGAM, ITGB2, ITGB3, ITK, JAGN1, JAK1, JAK2, JAK3, KRAS, LAMTOR2, LAT, LCK, LIG1, LIG4, LPIN2, LRBA, LRRC6, LRRC8A, LYST, MAGT1, MALT1, MBL2, MCM4, MEFV, MKL1, MLPH, MPL, MPO, MS4A1, MSH6, MSN, MTHFD1, MVK, MYD88, MYH9, MYO5A, MYSM1, NBN, NCF1, NCF2, NCF4, NFKB1, NFKB2, NFKBIA, NHEJ1, NLRC4, NLRP1, NLRP12, NLRP3, NME8, NOD2, NRAS, NSMCE3, ORAI1, OSTM1, OTULIN, PALB2, PARN, PEPD, PGM3, PIH1D3, PIK3CD, PIK3CG, PIK3R1, PLCG2, PLEKHM1, PLG, PMS2, PNP, POLA1, PRKCD, PRKDC, PSMB8, PTEN, PTPRC, RAB27A, RAC2, RAG1, RAG2, RANBP2, RASGRP1, RBCK1, RELB, RFX5, RFXANK, RFXAP, RORC, RSPH1, RSPH3, RSPH4A, RSPH9, RUNX1, SAMD9L, SBDS, SERPING1, SH2D1A, SLC29A3, SLC7A7, SMARCA1, SP110, SPAG1, SPINK5, SRP54, SRP72, STAT1, STAT2, STAT3, STIM1, STK4, STX11, STXBP2, TAP1, TAP2, TAPBP, TCF3, TCIRG1, TCN2, TERT, TFRC, TGFB1, TMEM173, TNF, TNFAIP3, TNFRSF11A, TNFRSF13B, TNFRSF13C, TNFRSF1A, TNFRSF4, TNFSF11, TPMT, TPP2, TRNT1, TTC7A, TYK2, UNC119, UNC13D, UNC93B1, UNG, USB1, VPS13B, VPS45, WAS, WDR1, WIPF1, WRAP53, XIAP, XK, ZAP70, ZBTB24, ZMYND10, ZNF341

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