

The following is a partial list of genes on human chromosome 10.

The stromal cell-derived factor 1 (SDF1), also known as C-X-C motif chemokine 12 (CXCL12), is a [chemokine](#) protein that in humans is encoded by the CXCL12 gene on [chromosome 10](#).

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AFAP1L2: actin filament associated protein 1 like 2 ALL1 encoding protein Leukemia, acute lymphocytic, susceptibility to, 1 ALOX5: Arachidonate 5-Lipoxygenase (processes essential fatty acids to leukotrienes, which are important agents in the inflammatory response; also facilitates development and maintenance of cancer stem cells, slow-dividing cells thought to give rise to a variety of cancers, including leukemia) ARHGAP21: rho GTPase activating protein 21 ARID5B: encoding protein AT-rich interactive domain-containing protein 5B AS3MT: encoding enzyme Arsenite methyltransferase AVPI1: encoding protein Arginine vasopressin-induced protein 1 C10orf118: encoding protein Uncharacterized protein C10orf118 C10orf67: chromosome 10 open reading frame 67 C10orf76: chromosome 10 open reading frame 76 C10orf99: encoding protein Chromosome 10 open reading frame 99 CAMK1D: calcium/calmodulin-dependent protein kinase ID CCAR1: Cell division cycle and apoptosis regulator 1 CCDC3: Coiled-coil domain-containing protein 3 CCNY: Cyclin-Y CDC123: Cell division cycle protein 123 homolog CDH23: cadherin-like 23 CDNF: cerebral dopamine neurotrophic factor COMMD3-BMI1: COMMD3-BMI1 readthrough CUTC: Copper homeostasis protein cutC homolog

DDX50: DExD-box helicase 50 DEPP: decidual protein induced by progesterone DHX32: DEAH-box helicase 32 DNAJC12: DnaJ (Hsp40) homolog, subfamily c, member 12 DNAJC9: DnaJ (Hsp40) homolog, subfamily c, member 9 DPYSL4: Dihydropyrimidinase-related protein 4 EBLN1: encoding protein Endogenous Bornavirus-like nucleoprotein 1 ECD: ecdysoneless cell cycle regulator EGR2: early growth response 2 (Krox-20 homolog, Drosophila) EIF5AP1: eukaryotic translation initiation factor 5A-like 1 EPC1: Enhancer of polycomb homolog 1 ERCC6: excision repair cross-complementing rodent repair deficiency, complementation group 6 FAM107B: family with sequence similarity 107, member B FAM13C: family with sequence similarity 13, member C FAM170B: encoding protein Family with sequence similarity 170 member B FAM188A: family with sequence similarity 188, member A FAM213A: family with sequence similarity 213, member A FAM25BP encoding protein Protein FAM25 FAS-AS1, long non-coding RNA FGFR2: fibroblast growth factor receptor 2 (bacteria-expressed kinase, keratinocyte growth factor receptor, craniofacial dysostosis 1, Crouzon syndrome, Pfeiffer syndrome, Jackson-Weiss syndrome) FRA10AC1: Fragile site, folic acid type FRAT1: WNT signaling pathway regulator FRAT2: WNT signaling pathway regulator FRMPD2 encoding protein FERM and PDZ domain containing 2 GATA3: encoding the GATA3 transcription factor. GATA3 is critical for the embryonic development of the parathyroid gland, neural component of hearing, and kidney. Haploinsufficiency of the gene underlies a rare disorder, the hypoparathyroidism, deafness, and renal dysplasia syndrome GHITM: growth hormone-inducible transmembrane protein GPRIN2: G protein-regulated inducer of neurite outgrowth 2 GTPBP4: Nucleolar GTP-binding protein 4 HELLS: Lymphoid-specific helicase HKDC1: hexokinase domain containing 1 KIN: DNA/RNA-binding protein KIN17 MTG1: mitochondrial GTPase 1 NPM3: nucleoplasmin-3 NRBF2: nuclear receptor-binding factor 2 NSMCE4A: non-SMC element 4 homolog A OTUD1: encoding protein OTU deubiquitinase 1 PCBD1: 6-pyruvoyl-tetrahydropterin synthase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) PCDH15: protocadherin 15 PI4K2A: phosphatidylinositol 4-kinase 2-alpha PIP4K2A: phosphatidylinositol 5 phosphate 4-kinase type-2 alpha PITRM1: pitrilysin metalloproteinase 1 PLEKHS1 encoding protein Pleckstrin homology domain containing 1 PLXDC2: plexin domain-containing protein 2 PROSER2: proline and serine rich 2 or c10orf47 PTEN gene: phosphatase and tensin homolog (mutated in multiple advanced cancers 1) RET: ret proto-oncogene (multiple endocrine neoplasia and medullary thyroid carcinoma 1, Hirschsprung disease) RPP30: ribonuclease P protein subunit p30 RRP12:

ribosomal RNA processing 12 homolog RSU1: ras suppressor protein 1 SGPL1: sphingosine-1-phosphate lyase 1 SMNDC1: survival motor neuron domain containing 1 SPG9 encoding protein Spastic paraplegia 9 (autosomal dominant) SRGN: serglycin STAMBPL1: STAM binding protein like 1 STOX1: encoding protein Storkhead box 1 SUPV3L1: Suv3 like RNA helicase TACC2 encoding protein Transforming acidic coiled-coil-containing protein 2 TBC1D12: TBC1 domain family, member 12 TCTN3: tectonic family member 3 TMEM10: opalin TMEM26: encoding protein Transmembrane protein 26 UCN3: urocortin-3 UROS: uroporphyrinogen III synthase (congenital erythropoietic porphyria) USP6NL: USP6 N-terminal like protein UTF1: undifferentiated embryonic cell transcription factor 1 WASHC2C: WASH complex subunit 2C WBP1L: WW domain binding protein 1-like ZNF37A: zinc finger protein 37A ZNF438: zinc finger protein 438

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