

Intrauterin fejlődésbeli elmaradás (Intrauterine Growth Retardation-IUGR) génpanel v:2025.04.07.

Panel tartalma 520 gén:

ACAN, ACP5, ACTB, ACTG1, ACVR1, ADAMTS10, ADAMTS17, ADAMTS2, ADAMTSL2, AFF4, AGA, AGPS, AIFM1, AKT1, ALPL, ALX1, ALX3, ALX4, AMER1, AMMECR1, ANKH, ANKRD11, ANO5, ANTXR2, ARCN1, ARHGAP31, ARID1A, ARID1B, ARSB, ARSL, ASCC1, ASXL1, ATP6V0A2, ATR, B3GALT6, B3GAT3, B4GALT7, BCOR, BCS1L, BGN, BHLHA9, BLM, BMP1, BMP2, BMPER, BMPR1B, BPNT2, BRAF, BRCA2, BRIP1, C2CD3, CA2, CANT1, CASR, CBL, CC2D2A, CCDC47, CCDC8, CCN6, CCNQ, CDC42, CDC45, CDC6, CDH11, CDH3, CDKN1C, CDT1, CENPE, CENPJ, CEP120, CEP152, CEP290, CEP63, CFAP410, CHST14, CHST3, CHSY1, CILK1, CKAP2L, CLCN5, CLCN7, COG4, COL10A1, COL11A1, COL11A2, COL1A1, COL1A2, COL27A1, COL2A1, COL3A1, COL5A1, COL5A2, COL9A1, COL9A2, COL9A3, COMP, CREB3L1, CREBBP, CRIPT, CRLF1, CRTAP, CTSK, CUL7, CWC27, CYP27B1, CYP2R1, CSF1R, CSPP1, DDR2, DDRGK1, DDX58, DHCR24, DHCR7, DHODH, DLL3, DLL4, DLX3, DLX5, DMP1, DNAJC21, DNMT3A, DOCK6, DONSON, DSE, DVL1, DVL3, DYM, DYNC2H1, DYNC2I1, DYNC2I2, DYNC2LI1, DYNLT2B, EBP, EDN1, EDNRA, EFL1, EFN1, EFTUD2, EIF2AK3, EIF4A3, ENAM, ENPP1, EOGT, EP300, ERCC4, ERCC6, ERF, ESCO2, EVC, EVC2, EXOSC2, EXT1, EXT2, EXTL3, EZH2, FAM111A, FAM20A, FAM20C, FAM83H, FANCA, FANCB, FANCC, FANCD2, FANCE, FANCF, FANCG, FANCI, FANCL, FANCM, FBN1, FBN2, FERMT3, FGD1, FGF10, FGF23, FGF9, FGFR1, FGFR2, FGFR3, FIG4, FKBP10, FKBP14, FLNA, FLNB, FN1, FTO, FUCA1, FZD2, GALNS, GALNT3, GCM2, GDF3, GDF5, GDF6, GH1, GHR, GHRHR, GHSR, GJA1, GLB1, GLI1, GLI2, GLI3, GMNN, GNAI3, GNAS, GNPAT, GNPTAB, GNPTG, GNS, GORAB, GPC6, GSC, GUSB, GZF1, H19, HAAO, HDAC4, HDAC8, HES7, HESX1, HOXA11, HOXA13, HOXD13, HPGD, HRAS, HSPA9, HSPG2, IARS2, IDH2, IDS, IDUA, IFIH1, IFITM5, IFT122, IFT140, IFT172, IFT43, IFT52, IFT80, IFT81, IGF1, IGF1R, IGF2, IGFALS, IHH, IL1RN, INPPL1, INSR, INTU, IRS1, KANSL1, KAT6B, KCNJ2, KIAA0586, KIAA0753, KIF22, KIF7, KL, KMT2A, KMT2D, KRAS, KYNU, LARP7, LBR, LEMD3, LFNG, LHX3, LHX4, LIFR, LIG1, LIG4, LMNA, LMX1B, LONP1, LPIN2, LRP4, LRP5, LTBP2, LTBP3, LZTR1, MAFB, MAN2B1, MANBA, MAP2K1, MAP2K2, MAP3K7, MATN3, MBTPS2, MCM5, MECOM, MEGF8, MEOX1, MESP2, MET, MGP, MKS1, MMP13, MMP2, MMP9, MNX1, MSX2, MYCN, MYH3, MYO18B, NAGLU, NANS, NBAS, NEK1, NEU1, NF1, NFIX, NIPBL, NKX3-2, NOG, NOTCH1, NOTCH2, NPR2, NRAS, NSD1, NSDHL, OBSL1, OCRL, OFD1, ORC1, ORC4, ORC6, OSGEP, OSTM1, OTX2, P3H1, P4HB, PALB2, PAM16, PAPP2, PAPP3, PAX3, PCGF2, PCNT, PCYT1A, PDE3A, PDE4D, PEX14, PEX19, PEX5, PEX7, PGM3, PHEX, PIGV, PIK3CA, PISD, PITX1, PITX2, PLCB4, PLEKHM1, PLK4, PLOD1, PLOD2, PLS3, POC1A, POLA1, POLR1A, POLR1C, POLR1D, POLR3A, POLR3B, POP1, POR, POU1F1, PPIB, PPP3CA, PRKAR1A, PRMT7, PROP1, PTDSS1, PTH1R, PTHLH, PTPN11, PYCR1, RAB23, RAB33B, RAD21, RAD51C, RAF1, RALA, RASA2, RBBP8, RBM8A, RBPJ, RECQL4, RIPPY2, RIT1, RMRP, RNPC3, RNU4ATAC, ROR2, RPGRIP1L, RPL10, RRAS, RSPRY1, RTTN, RUNX2, SALL1, SALL4, SAMD9, SBDS, SC5D, SEC24D, SERPINF1, SERPINH1, SETBP1, SETD2, SF3B4, SFRP4, SGMS2, SGSH, SH3BP2, SH3PXD2B, SHH, SHOC2, SHOX, SKI, SLC10A7, SLC17A5, SLC26A2, SLC29A3, SLC34A3, SLC35D1, SLC39A13, SLCO2A1, SLX4, SMAD2, SMAD3, SMAD4, SMARCA2, SMARCA4, SMARCAL1, SMARCB1, SMARCE1, SMC1A, SMC3, SNRPB, SNX10, SOS1, SOST, SOX11, SOX2,

SOX3, SOX9, SP7, SPARC, SQSTM1, SRCAP, SRP54, STAG2, STAMBP, STAT5B, SUMF1, TAB2, TALDO1, TAPT1, TBCE, TBX15, TBX19, TBX2, TBX3, TBX4, TBX5, TBX6, TBXAS1, TCF12, TCIRG1, TCOF1, TCTN3, TENT5A, TGDS, TGFB1, TGFB2, TGFB3, TGFB1, TGFB2, THPO, TMEM165, TMEM216, TMEM38B, TMEM67, TNFRSF11A, TNFRSF11B, TNFSF11, TONSL, TOP3A, TP63, TRAF3IP1, TRAPPC2, TREM2, TRIM37, TRIP11, TRMT10A, TRPS1, TRPV4, TRPV6, TTC21B, TUBGCP6, TWIST1, TYROBP, UFSP2, VDR, VIPAS39, WDR19, WDR35, WNT1, WNT10B, WNT5A, WNT7A, XRCC2, XRCC4, XYLT1, XYLT2, ZMPSTE24, ZSWIM6,

Forrás:

IUGR and IGF abnormalities (Version 1.69)

<https://panelapp.genomicsengland.co.uk/panels/131/>

Comprehensive Growth Disorders / Skeletal Dysplasias and Disorders Panel

<https://blueprintgenetics.com/tests/panels/malformations/comprehensive-growth-disorders-skeletal-dysplasias-and-disorders-panel/>

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