

Human Neurotrophins & Receptors PCR Array

Neurotrophins and Receptors: ADCYAP1R1, ARTN, BDNF, CD40 (TNFRSF5), CNTF, CNTFR, CRHBP, CRHR1, CRHR2, FRS2, FRS3, FUS, GDNF, GFRA1, GFRA2, GFRA3, GMFB, GMFG, MAGED1, MT3, NF1, NGF, NGFR, NGFRAP1, NR1I2, NRG1, NRG2, NTF3, NTF4, NTRK1, NTRK2, PSPN, PTGER2, TFG, TRO, VGF.

Neuropeptides and Receptors:

Neuropeptide Hormone: CRH, NPFF, NPY, PNOC, UCN.

Bombesin Receptors: GRPR.

Cholecystokinin Receptors: CCKAR.

Galanin Receptors: GALR1, GALR2.

Neuropeptide Y Receptors: NPY1R, NPY2R, PPYR1.

Neurotensin Receptors: NTSR1.

Tachykinin and Receptors: TACR1.

Other Neuropeptides and Receptors: NPFFR2 (GPR74), HCRT, MC2R.

Neurogenesis:

Central Nervous System Development: PSPN.

Peripheral Nervous System Development: GFRA3.

Negative Regulation of Neurogenesis: MT3.

Other Neurogenesis Related Genes: ARTN, BDNF, CBLN1, CNTF, CNTFR, FGF2, GDNF, MEF2C, NELL1, NGFR, NRG1, NTF3, NTRK1, NTRK2, STAT3, TFG.

Transmission of Nerve Impulse: CBLN1, CNTF, CRH, GALR1, GALR2, HCRT, NPFF, NPY, NTSR1, PNOC.

Cell Growth and Differentiation:

Growth Factors and Receptors: ARTN, BDNF, CNTF, FGF2, FGF9, FGFR1, FRS2, FRS3, GDNF, GMFB, GMFG, IL10, IL1B, IL6, LIF, NGF, NRG1, NRG2, NRG4, NTF3, NTF4, PSPN, TGFA, TGFB1, VGF.

Cell Cycle: BAX, BCL2, FGF2, FGF9, IL1B, MYC, NF1, STAT1, TGFA, TGFB1, TP53.

Cell Proliferation: BCL2, FGF2, FGF9, GRPR, IL10, IL1B, IL6, IL6R, LIF, MT3, MYC, NF1, NPY, TGFA, TGFB1, TP53.

Cell Differentiation: FGF9, IL10, NRG1, TP53.

Cytokines and Receptors: CNTFR, CX3CR1, CXCR4, IL10, IL10RA, IL1B, IL1R1, IL6, IL6R, IL6ST, LIF, LIFR.

Caspase Activation: STAT1, TP53.

Induction of Apoptosis: BAX, FAS (TNFRSF6), TP53.

Other Genes Related to Apoptosis: CD40 (TNFRSF5), HSPB1, IL1B, NGFR, NGFRAP1.

Immune Response:

Acute-Phase Response: IL6, STAT3.

Humoral Immune Response: BCL2, CD40 (TNFRSF5), IL10, IL1B, IL6.

Inflammatory Response: CD40 (TNFRSF5), FOS, IL10, IL1B, IL1R1, TACR1.

Other Immune Response Genes: FAS (TNFRSF6), CRH, CRHR1, CX3CR1, IL6R, IL6ST, LIF.

Transcription Factors and Regulators:

RNA Polymerase II Transcription Factors: FOS, MEF2C.

Transcription Coactivators: MEF2C, NR1I2.

Transcription Factors: MEF2C, MYC, NR1I2, STAT1, STAT2, STAT3, STAT4, TP53.