

## Human Gap Junctions PCR Array

### Gap Junction Proteins:

Connexins: GJA1 (Cx43), GJA3, GJA4, GJA5, GJA8, GJA9, GJB1 (Cx32), GJB2 (Cx26), GJB3, GJB4, GJB5, GJB6, GJB7, GJC2, GJD2, GJE1.

Innexins: PANX1, PANX2, PANX3.

**Cell Surface Receptors**: ADRB2, CAV1, EGFR, GRM1, HTR2A, LPAR1, PDGFRA, PDGFRB.

**Connexin Interacting Proteins**: CAV1, CTNNB1, DBN1, NOV, TJAP1, TJP1, TJP2.

**Connexin Kinase Activity**: CDK1, CSNK1D, MAPK1, MAPK3, MAPK7, PLCB1, PLCB2, PRKACA, PRKACB, PRKACG, PRKCA, PRKCB, PRKCG, PRKG1, PRKG2, SRC.

**Tubulins**: TUBA1C, TUBA3C, TUBA4A, TUBA4B, TUBA8, TUBAL3, TUBB, TUBB1, TUBB2A, TUBB2B, TUBB2C, TUBB3, TUBB4, TUBB4Q, TUBB8.

**G Protein Signaling**: GNAI1, GRB2, HRAS, KRAS, NRAS, RAF1, SOS1, SOS2.

### Protein Kinase & Secondary Messenger Signaling:

Calcium and Protein Kinase C: GRM1, HTR2A, ITPR1, ITPR2, PLCB1, PLCB2, PRKCA, PRKCB, PRKCG.

cAMP and Protein Kinase A: ADCY1, ADCY2, ADCY3, ADRB2, PRKACA, PRKACB, PRKACG.

cGMP, Nitric Oxide, and Protein Kinase G: GUCY1A2, GUCY1A3, GUCY1B3, PRKG1, PRKG2.

MAP Kinases: MAP2K1, MAP2K2, MAP2K5, MAP3K2, MAPK1, MAPK3, MAPK7.