



## Human Hedgehog Signaling Primer Library

**Catalog No:** HHOG-1  
**Supplier:** RealTimePrimers  
**Lot No:** XXXXX  
**Supplied as:** solid  
**Stability:** store at -20°C

### Description

Contains 88 primer sets directed against hedgehog signaling genes and 8 housekeeping gene primer sets. Provided in a 96-well microplate (20 ul - 10 uM). Perform up to 100 PCR arrays (based on 20 ul assay volume per reaction). Just add cDNA template and SYBR green master mix.

### Gene List:

- BCL2 B-cell CLL/lymphoma 2
- BMP2 Bone morphogenetic protein 2
- BMP4 Bone morphogenetic protein 4
- BMP5 Bone morphogenetic protein 5
- BMP6 Bone morphogenetic protein 6
- BMP7 Bone morphogenetic protein 7
- BMP8A Bone morphogenetic protein 8a
- BMP8B Bone morphogenetic protein 8b
- BNC1 Basonuclin 1
- BTRC Beta-transducin repeat containing
- CDON Cdon homolog (mouse)
- CEP76 Centrosomal protein 76kDa
- CREBBP CREB binding protein
- CRIM1 Cysteine rich transmembrane BMP regulator 1 (chordin-like)
- CSNK1A1 Casein kinase 1, alpha 1
- CSNK1A1L Casein kinase 1, alpha 1-like
- CSNK1D Casein kinase 1, delta
- CSNK1E Casein kinase 1, epsilon
- CSNK1G1 Casein kinase 1, gamma 1
- CSNK1G2 Casein kinase 1, gamma 2
- CSNK1G3 Casein kinase 1, gamma 3
- CTNNB1 Catenin (cadherin-associated protein), beta 1, 88kDa
- DHH Desert hedgehog homolog (Drosophila)
- DISP1 Dispatched homolog 1
- DISP2 Dispatched homolog 2
- E2F1 E2F transcription factor 1
- ERBB4 V-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)
- FBXW11 F-box and WD repeat domain containing 11
- FGF9 Fibroblast growth factor 9 (glia-activating factor)
- FGFR3 Fibroblast growth factor receptor 3
- FKBP8 FK506 binding protein 8, 38kDa
- FOXA2 Forkhead box A2
- FOXE1 Forkhead box E1 (thyroid transcription factor 2)
- GAS1 Growth arrest-specific 1
- GLI1 GLI family zinc finger 1
- GLI2 GLI family zinc finger 2
- GLI3 GLI family zinc finger 3
- GREM1 Gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)
- GSK3B Glycogen synthase kinase 3 beta
- HHAT Hedgehog acyltransferase
- HHIP Hedgehog interacting protein
- IFT52 Intraflagellar transport 52 homolog
- IFT88 Intraflagellar transport 88 homolog
- IHH Indian hedgehog homolog (Drosophila)
- KCTD11 Potassium channel tetramerisation domain containing 11
- LRP2 Low density lipoprotein-related protein 2
- MAPK1 Mitogen-activated protein kinase 1
- MTSS1 Metastasis suppressor 1
- MYF5 Myogenic factor 5
- NPC1 Niemann-Pick disease, type C1
- NPC1L1 NPC1 (Niemann-Pick disease, type C1, gene)-like 1
- NUMB Numb homolog (Drosophila)
- OTX2 Orthodenticle homeobox 2
- PRKACA Protein kinase, cAMP-dependent, catalytic, alpha
- PRKACB Protein kinase, cAMP-dependent, catalytic, beta
- PRKACG Protein kinase, cAMP-dependent, catalytic, gamma
- PRKX Protein kinase, X-linked
- PRKY Protein kinase, Y-linked
- PTCH1 Patched homolog 1 (Drosophila)
- PTCH2 Patched homolog 2 (Drosophila)
- PTCHD1 Patched domain containing 1
- PTCHD2 Patched domain containing 2
- PTCHD3 Patched domain containing 3
- RAB23 RAB23, member RAS oncogene family
- SFRP1 Secreted frizzled-related protein 1
- SHH Sonic hedgehog homolog (Drosophila)



- SIAH1 Seven in absentia homolog 1 (Drosophila)
- SMO Smoothed homolog (Drosophila)
- STIL SCL/TAL1 interrupting locus
- STK36 Serine/threonine kinase 36, fused homolog (Drosophila)
- SUFU Suppressor of fused homolog (Drosophila)
- WIF1 WNT inhibitory factor 1
- WNT1 Wingless-type MMTV integration site family, member 1
- WNT2 Wingless-type MMTV integration site family member 2
- WNT2B Wingless-type MMTV integration site family, member 2B
- WNT3 Wingless-type MMTV integration site family, member 3
- WNT4 Wingless-type MMTV integration site family, member 4
- WNT5A Wingless-type MMTV integration site family, member 5A
- WNT6 Wingless-type MMTV integration site family, member 6
- WNT7A Wingless-type MMTV integration site family, member 7A
- WNT8A Wingless-type MMTV integration site family, member 8A
- WNT9A Wingless-type MMTV integration site family, member 9A
- WNT10A Wingless-type MMTV integration site family, member 10A
- WNT10B Wingless-type MMTV integration site family, member 10B
- ZIC1 Zic family member 1
- ZIC2 Zic family member 2
- ZIC3 Zic family member 3
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK1 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

#### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**