



Human Signal Transduction Primer Library

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

Description

Contains 88 primer sets directed against a selected group of signal transduction genes and 8 housekeeping genes. 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:

- ACSL4 Acyl-CoA synthetase long-chain family member 4
- ADM Adrenomedullin
- AKT1 V-akt murine thymoma viral oncogene homolog 1
- ALDH1A1 Aldehyde dehydrogenase 1 family, member A1
- ANGPT1 Angiopoietin 1
- ANGPT2 Angiopoietin 2
- APC Adenomatous polyposis coli
- ARNT Aryl hydrocarbon receptor nuclear translocator
- ATF4 Activating transcription factor 4 (tax-responsive enhancer element B67)
- BAX BCL2-associated X protein
- BBC3 BCL2 binding component 3
- BCL2 B-cell CLL/lymphoma 2
- BCL2L1 BCL2-like 1
- BIRC3 Baculoviral IAP repeat containing 3
- BIRC5 Baculoviral IAP repeat containing 5
- BMP2 Bone morphogenetic protein 2
- BMP4 Bone morphogenetic protein 4
- BRCA1 Breast cancer 1, early onset
- BTG2 BTG family, member 2
- CA9 Carbonic anhydrase IX
- CCL5 Chemokine (C-C motif) ligand 5
- CCND1 Cyclin D1
- CCND2 Cyclin D2
- CDKN1A Cyclin-dependent kinase inhibitor 1A (p21, Cip1)
- CDKN1B Cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CEBPD CCAAT/enhancer binding protein (C/EBP), delta
- CSF1 Colony stimulating factor 1 (macrophage)
- EGF Epidermal growth factor
- EGFR Epidermal growth factor receptor
- EMP1 Epithelial membrane protein 1
- EPO Erythropoietin
- FAS Fas (TNF receptor superfamily, member 6)
- FASLG Fas ligand (TNF superfamily, member 6)
- FOS FBJ murine osteosarcoma viral oncogene homolog
- FOSL1 FOS-like antigen 1
- FTH1 Ferritin, heavy polypeptide 1
- GADD45A Growth arrest and DNA-damage-inducible, alpha
- GADD45B Growth arrest and DNA-damage-inducible, beta
- GATA3 GATA binding protein 3
- GCLC Glutamate-cysteine ligase, catalytic subunit
- GSR Glutathione reductase
- HIF1A Hypoxia inducible factor 1, alpha subunit
- HES1 Hairy and enhancer of split 1, (Drosophila)
- HES5 Hairy and enhancer of split 5 (Drosophila)
- HEY1 Hairy/enhancer-of-split related with YRPW motif 1
- HEY2 Hairy/enhancer-of-split related with YRPW motif 2
- HEYL Hairy/enhancer-of-split related with YRPW motif-like
- HMOX1 Heme oxygenase (decycling) 1
- ICAM1 Intercellular adhesion molecule 1
- ID1 Inhibitor of DNA binding 1, dominant negative helix- loop-helix protein
- IFNG Interferon, gamma
- IL1A Interleukin 1, alpha
- IL6 Interleukin 6
- IL8 Interleukin 8
- IRF1 Interferon regulatory factor 1
- JUN Jun proto-oncogene
- LDHA Lactate dehydrogenase A
- LFNG LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
- MCL1 Myeloid cell leukemia sequence 1 (BCL2-related)
- MMP2 Matrix metalloproteinase 2



- MMP7 Matrix metalloproteinase 7
- MYC V-myc myelocytomatosis viral oncogene homolog (avian)
- NOTCH1 Notch 1
- NQO1 NAD(P)H dehydrogenase, quinone 1
- OLR1 Oxidized low density lipoprotein (lectin-like) receptor 1
- PCNA Proliferating cell nuclear antigen
- PPARD Peroxisome proliferator-activated receptor delta
- PTCH1 Patched 1
- RB1 Retinoblastoma 1
- SERPINA1 Serpin peptidase inhibitor, clade A, member 1
- SERPINE1 Serpin peptidase inhibitor, clade E, member 1
- SLC2A1 Solute carrier family 2 (facilitated glucose transporter), member 1
- SOCS3 Suppressor of cytokine signaling 3
- SORBS1 Sorbin and SH3 domain containing 1
- STAT1 Signal transducer and activator of transcription 1
- STAT3 Signal transducer and activator of transcription 3
- TEK TEK tyrosine kinase, endothelial
- TNF Tumor necrosis factor
- TNFSF10 Tumor necrosis factor (ligand) superfamily, member 10
- TXN Thioredoxin
- TXNRD1 Thioredoxin reductase 1
- VEGFA Vascular endothelial growth factor A
- WISP1 WNT1 inducible signaling pathway protein 1
- WNT1 Wingless-type MMTV integration site family, member 1
- WNT2B Wingless-type MMTV integration site family, member 2B
- WNT3A Wingless-type MMTV integration site family, member 3A
- WNT5A Wingless-type MMTV integration site family, member 5A
- WNT6 Wingless-type MMTV integration site family, member 6
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPD Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

Usage

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