



Human Hypoxia Signaling Primer Library

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

Description

Contains 88 primer sets directed against hypoxia 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:

- ADM Adrenomedullin
- AGPAT2 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
- ANGPTL4 Angiotensin-like 4
- ARNT aryl hydrocarbon receptor nuclear translocator
- ARNT2 Aryl-hydrocarbon receptor nuclear translocator 2
- ATP1B1 ATPase, Na⁺/K⁺ transporting, beta 1 polypeptide
- BAX BCL2-associated X protein
- BIRC5 Baculoviral IAP repeat-containing 5
- BNIP3L BCL2/adenovirus E1B 19kDa interacting protein 3- like
- CA1 Carbonic anhydrase I
- CAT Catalase
- CDC42 Cell division cycle 42 (GTP binding protein, 25kDa)
- CHGA Chromogranin A (parathyroid secretory protein 1)
- COL1A1 Collagen, type I, alpha 1
- CREBBP CREB binding protein
- CSTB Cystatin B (stefin B)
- CUL2 cullin 2
- CXCR4 chemokine (C-X-C motif) receptor 4
- CYGB Cytoglobin
- DDIT4 DNA-damage-inducible transcript 4
- DDIT4L DNA-damage-inducible transcript 4-like
- ECE1 Endothelin converting enzyme 1
- EDN1 endothelin 1
- EEF1A1 Eukaryotic translation elongation factor 1 alpha 1
- EGLN1 egl nine homolog 1 (C. elegans)
- EGLN2 egl nine homolog 2 (C. elegans)
- EGLN3 egl nine homolog 3 (C. elegans)
- ENO1 Enolase 1, (alpha)
- EP300 E1A binding protein p300
- EPAS1 Endothelial PAS domain protein 1
- EPO Erythropoietin
- FRAP1 Mechanistic target of rapamycin (serine/threonine kinase) (MTOR)
- GNA11 Guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
- GPI Glucose phosphate isomerase
- GPX1 Glutathione peroxidase 1
- HBB Hemoglobin, beta
- HIF1A Hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
- HIF1AN Hypoxia inducible factor 1, alpha subunit inhibitor
- HIF3A Hypoxia inducible factor 3, alpha subunit
- HIG2
- HK2 Hexokinase 2
- HMOX1 Heme oxygenase (decycling) 1
- HYOU1 Hypoxia up-regulated 1
- ICAM1 intercellular adhesion molecule 1
- IGF2 Insulin-like growth factor 2 (somatomedin A)
- IGFBP1 Insulin-like growth factor binding protein 1
- IL1A Interleukin 1, alpha
- IL6 Interleukin 6 (interferon, beta 2)
- IL6ST Interleukin 6 signal transducer (gp130, oncostatin M receptor)
- ING4 inhibitor of growth family, member 4
- KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
- LDHA lactate dehydrogenase A
- LEP Leptin
- MB myoglobin
- MT3 Metallothionein 3
- MYBL2 V-myb myeloblastosis viral oncogene homolog (avian)-like 2
- NOS1 nitric oxide synthase 1 (neuronal)
- NOS2 Nitric oxide synthase 2, inducible
- NOS3 nitric oxide synthase 3 (endothelial cell)



- NOTCH1 Notch homolog 1, translocation-associated (*Drosophila*)
- PDIA2 Protein disulfide isomerase family A, member 2
- PIK3CA phosphoinositide-3-kinase, catalytic, alpha polypeptide
- PLAU Plasminogen activator, urokinase
- POU5F1 POU class 5 homeobox 1
- PPARA Peroxisome proliferator-activated receptor alpha
- PPP2CB Protein phosphatase 2 (formerly 2A), catalytic subunit, beta isoform
- PRKAA1 Protein kinase, AMP-activated, alpha 1 catalytic subunit
- PRKAA2 protein kinase, AMP-activated, alpha 2 catalytic subunit
- PRPF40A PRP40 pre-mRNA processing factor 40 homolog A (*S. cerevisiae*)
- PSMB3 Proteasome (prosome, macropain) subunit, beta type, 3
- PTEN phosphatase and tensin homolog
- PTX3 Pentraxin-related gene, rapidly induced by IL-1 beta
- RARA Retinoic acid receptor, alpha
- RBX1 ring-box 1, E3 ubiquitin protein ligase
- SLC2A1 Solute carrier family 2 (facilitated glucose transporter), member 1
- SLC2A4 Solute carrier family 2 (facilitated glucose transporter), member 4
- SLC2A8 solute carrier family 2 (facilitated glucose transporter), member 8
- SOD3 superoxide dismutase 3, extracellular
- SSSCA1 Sjogren syndrome/scleroderma autoantigen 1
- SUMO2 SMT3 suppressor of mif two 3 homolog 2 (*S. cerevisiae*)
- TGFBR2 transforming growth factor, beta receptor II (70/80kDa)
- TH Tyrosine hydroxylase
- TP53 tumor protein p53
- TST Thiosulfate sulfurtransferase (rhodanese)
- TUBA4A Tubulin, alpha 4a
- UCP2 Uncoupling protein 2 (mitochondrial, proton carrier)
- VCAM1 Vascular cell adhesion molecule 1
- VEGFA vascular endothelial growth factor A
- 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

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