



Mouse Hypoxia Signaling Primer Library

Catalog No: MHYP-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 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:

- Adm adrenomedullin
- Agpat2 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)
- Angptl4 angiopoietin-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 interacting protein 3-like
- Car1 Carbonic anhydrase I
- Cat catalase
- Cdc42 cell division cycle 42
- Chga chromogranin A
- Col1A1 collagen, type I, alpha 1
- Crebbp CREB binding protein
- Cstb cystatin 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-9 family hypoxia-inducible factor 1
- EglN2 egl-9 family hypoxia-inducible factor 2
- EglN3 egl-9 family hypoxia-inducible factor 3
- Eno1 enolase 1, alpha non-neuron
- Ep300 E1A binding protein p300
- Epas1 endothelial PAS domain protein 1
- Epo erythropoietin
- Mtor Mechanistic target of rapamycin
- Gnai1 guanine nucleotide binding protein (G protein), alpha inhibiting 1
- Gpi1 Glucose phosphate isomerase
- Gpx1 glutathione peroxidase 1
- Hbb hemoglobin beta chain complex
- Hif1A hypoxia inducible factor 1, alpha subunit
- Hif1An hypoxia-inducible factor 1, alpha subunit inhibitor
- Hif3A hypoxia inducible factor 3, alpha subunit
- Hilpda Hypoxia inducible lipid droplet associated
- Hk2 hexokinase 2
- Hmox1 heme oxygenase 1
- Hyou1 hypoxia up-regulated 1
- Icam1 intercellular adhesion molecule 1
- Igf2 insulin-like growth factor 2
- Igfbp1 insulin-like growth factor binding protein 1
- Il1A interleukin 1 alpha
- Il6 interleukin 6
- Il6St interleukin 6 signal transducer
- Ing4 inhibitor of growth family, member 4
- Kit kit oncogene
- Ldha lactate dehydrogenase A
- Lep leptin
- Mb myoglobin
- Mt3 metallothionein 3
- Mybl2 myeloblastosis oncogene-like 2
- Nos1 nitric oxide synthase 1, neuronal
- Nos2 nitric oxide synthase 2, inducible
- Nos3 nitric oxide synthase 3, endothelial cell
- Notch1 notch 1
- Pdia2 protein disulfide isomerase associated 2
- Pik3Ca phosphatidylinositol 3-kinase, catalytic, alpha polypeptide
- Plau plasminogen activator, urokinase
- Pou5F1 POU domain, class 5, transcription factor 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 (yeast)
- Psmb3 proteasome (prosome, macropain) subunit, beta type 3
- Pten phosphatase and tensin homolog
- Ptx3 pentraxin related gene
- Rara retinoic acid receptor, alpha
- Rbx1 ring-box 1
- 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's syndrome/scleroderma autoantigen 1 homolog (human)
- Sumo2 SMT3 suppressor of mif two 3 homolog 2 (yeast)
- Tgfbr2 transforming growth factor, beta receptor II
- Th tyrosine hydroxylase
- Trp53 tumor protein p53
- Tst thiosulfate sulfurtransferase, mitochondrial
- 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
- Hpirt1 Hypoxanthine phosphoribosyltransferase 1
- Pgk1 phosphoglycerate kinase 1
- Ppia peptidylprolyl isomerase A
- Rpl13A ribosomal protein L13A

Usage

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