



Human VEGF Signaling Primer Library

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

Description

Contains 88 primer sets directed against VEGF 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:

- ACTA1 actin, alpha 1, skeletal muscle
- ACTA2 actin, alpha 2, smooth muscle, aorta
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- ANGPT1 angiopoietin 1
- ANGPT2 angiopoietin 2
- APLN apelin
- APLNR apelin receptor
- ATF3 activating transcription factor 3
- BAD BCL2-associated agonist of cell death
- CASP9 caspase 9, apoptosis-related cysteine peptidase
- CXCR4 chemokine (C-X-C motif) receptor 4
- CYR61 cysteine-rich, angiogenic inducer, 61
- EGLN3 egl nine homolog 3 (C. elegans)
- EGR1 early growth response 1
- EGR2 early growth response 2
- EGR3 early growth response 3
- ESM1 endothelial cell-specific molecule 1
- FGF2 fibroblast growth factor 2 (basic)
- FIGF c-fos induced growth factor (vascular endothelial growth factor D)
- FLT1 fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
- FLT4 fms-related tyrosine kinase 4
- GRB2 growth factor receptor-bound protein 2
- HIF1A hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
- HRAS v-Ha-ras Harvey rat sarcoma viral oncogene homolog
- HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1
- HSPB1 heat shock 27kDa protein 1
- KCNE3 potassium voltage-gated channel, Isk-related family, member 3
- KDR kinase insert domain receptor (a type III receptor tyrosine kinase)
- KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
- MAP2K1 mitogen-activated protein kinase kinase 1
- MAP2K2 mitogen-activated protein kinase kinase 2
- MAP2K4 mitogen-activated protein kinase kinase 4
- MAP2K6 mitogen-activated protein kinase kinase 6
- MAPK1 mitogen-activated protein kinase 1
- MAPK14 mitogen-activated protein kinase 14
- MAPK3 mitogen-activated protein kinase 3
- MAPKAPK2 mitogen-activated protein kinase-activated protein kinase 2
- MEST mesoderm specific transcript homolog (mouse)
- NFAT5 nuclear factor of activated T-cells 5, tonicity- responsive
- NFATC1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
- NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
- NFATC3 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
- NFATC4 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4
- NID2 nidogen 2 (osteonidogen)
- NOS3 nitric oxide synthase 3 (endothelial cell)
- NRAS neuroblastoma RAS viral (v-ras) oncogene homolog
- NRP1 neuropilin 1
- NRP2 neuropilin 2
- PDGFC platelet derived growth factor C
- PDGFRA platelet-derived growth factor receptor, alpha polypeptide
- PGF placental growth factor
- PIK3CA phosphoinositide-3-kinase, catalytic, alpha polypeptide



- PIK3CB phosphoinositide-3-kinase, catalytic, beta polypeptide
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PLA2G1B phospholipase A2, group IB (pancreas)
- PLA2G2A phospholipase A2, group IIA (platelets, synovial fluid)
- PLA2G3 phospholipase A2, group III
- PLA2G4A phospholipase A2, group IVA (cytosolic, calcium- dependent)
- PLA2G4C phospholipase A2, group IVC (cytosolic, calcium- independent)
- PLA2G5 phospholipase A2, group V
- PLA2G6 phospholipase A2, group VI (cytosolic, calcium- independent)
- PLA2G7 phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
- PLCG1 phospholipase C, gamma 1
- PLCG2 phospholipase C, gamma 2 (phosphatidylinositol- specific)
- PRKCA protein kinase C, alpha
- PRKCB protein kinase C, beta
- PRND prion protein 2 (dublet)
- PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
- PTK2 PTK2 protein tyrosine kinase 2
- PXN paxillin
- RAC1 ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)
- RAC2 ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)
- RAF1 v-raf-1 murine leukemia viral oncogene homolog 1
- SHC1 SHC (Src homology 2 domain containing) transforming protein 1
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- SOS1 son of sevenless homolog 1 (Drosophila)
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- SPHK1 sphingosine kinase 1
- SPHK2 sphingosine kinase 2
- SRC v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
- SRF serum response factor (c-fos serum response element- binding transcription factor)
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- STAT5A signal transducer and activator of transcription 5A
- STAT5B signal transducer and activator of transcription 5B
- TNFAIP3 tumor necrosis factor, alpha-induced protein 3
- VEGFA vascular endothelial growth factor A
- VEGFB vascular endothelial growth factor B
- VEGFC vascular endothelial growth factor C
- 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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