



Human Nitric Oxide Signaling Primer Library

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

Description

Contains 88 primer sets directed against nitric oxide 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:

- ACTA1 actin, alpha 1, skeletal muscle
- ACTA2 actin, alpha 2, smooth muscle, aorta
- ACTB actin, beta
- ACTG1 actin gamma 1
- ACTG2 actin, gamma 2, smooth muscle, enteric
- ADCY1 adenylate cyclase 1 (brain)
- ADCY3 adenylate cyclase 3
- ADCY5 adenylate cyclase 5
- ADCY6 adenylate cyclase 6
- ADCY7 adenylate cyclase 7
- AKT1 v-akt murine thymoma viral oncogene homolog 1
- AQP1 aquaporin 1 (Colton blood group)
- AQP2 aquaporin 2 (collecting duct)
- AQP3 aquaporin 3 (Gill blood group)
- AQP4 aquaporin 4
- AQP5 aquaporin 5
- BDKRB1 bradykinin receptor B1
- BDKRB2 bradykinin receptor B2
- CALM1 calmodulin 1 (phosphorylase kinase, delta)
- CALM2 calmodulin 2 (phosphorylase kinase, delta)
- CALM3 calmodulin 3 (phosphorylase kinase, delta)
- CASP3 caspase 3, apoptosis-related cysteine peptidase
- CASP8 caspase 8, apoptosis-related cysteine peptidase
- CAV1 caveolin 1, caveolae protein, 22kDa
- CCNA1 cyclin A1
- CCNA2 cyclin A2
- CNGA1 cyclic nucleotide gated channel alpha 1
- CNGA3 cyclic nucleotide gated channel alpha 3
- CNGB1 cyclic nucleotide gated channel beta 1
- CNGB3 cyclic nucleotide gated channel beta 3
- DNM2 dynamin 2
- EGFR epidermal growth factor receptor
- ERBB2 erb-b2 receptor tyrosine kinase 2
- ESR1 estrogen receptor 1
- ESR2 estrogen receptor 2 (ER beta)
- FLT1 fms-related tyrosine kinase 1
- FLT4 fms-related tyrosine kinase 4
- GNAI1 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1
- GNAI2 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2
- GNAI3 guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3
- GNAS GNAS complex locus
- GNB1 guanine nucleotide binding protein (G protein), beta polypeptide 1
- GNB2 guanine nucleotide binding protein (G protein), beta polypeptide 2
- GNB3 guanine nucleotide binding protein (G protein), beta polypeptide 3
- GNB5 guanine nucleotide binding protein (G protein), beta 5
- GNG2 guanine nucleotide binding protein (G protein), gamma 2
- GUCY2C guanylate cyclase 2C
- GUCY2D guanylate cyclase 2D, membrane (retina-specific)
- HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1
- HSPA4 heat shock 70kDa protein 4
- IGF1 insulin-like growth factor 1 (somatomedin C)
- IGF1R insulin-like growth factor 1 receptor
- IL2 interleukin 2
- IL6 interleukin 6
- ITPR1 inositol 1,4,5-trisphosphate receptor, type 1
- ITPR2 inositol 1,4,5-trisphosphate receptor, type 2



- ITPR3 inositol 1,4,5-trisphosphate receptor, type 3
- KDR kinase insert domain receptor
- KIT v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
- LPAR1 lysophosphatidic acid receptor 1
- LPAR2 lysophosphatidic acid receptor 2

- NOS3 nitric oxide synthase 3 (endothelial cell)
- NOSIP nitric oxide synthase interacting protein
- NOSTRIN nitric oxide synthase trafficking
- NPR1 natriuretic peptide receptor 1
- PDK1 pyruvate dehydrogenase kinase, isozyme 1
- PDK2 pyruvate dehydrogenase kinase, isozyme 2
- PDK3 pyruvate dehydrogenase kinase, isozyme 3
- PDK4 pyruvate dehydrogenase kinase, isozyme 4
- PIK3CA phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha
- PIK3CB phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta
- PIK3CD phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta
- PIK3R1 phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
- PIK3R2 phosphoinositide-3-kinase, regulatory subunit 2 (beta)
- PLCG1 phospholipase C, gamma 1
- PLCG2 phospholipase C, gamma 2 (phosphatidylinositol-specific)

- PRKACA protein kinase, cAMP-dependent, catalytic, alpha
- PRKACB protein kinase, cAMP-dependent, catalytic, beta
- PRKAR1A protein kinase, cAMP-dependent, regulatory, type I, alpha
- PRKG1 protein kinase, cGMP-dependent, type I
- S1PR1 sphingosine-1-phosphate receptor 1
- S1PR2 sphingosine-1-phosphate receptor 2
- S1PR3 sphingosine-1-phosphate receptor 3

- SLC7A1 solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
- STUB1 STIP1 homology and U-box containing protein 1, E3 ubiquitin protein ligase
- TGFBI transforming growth factor, beta 1
- VEGFA vascular endothelial growth factor A
- 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

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.