



Rat Oxidative Stress Primer Library

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

Description

Contains 88 primer sets directed against oxidative stress 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:

- Alb Albumin
- Alox12 Arachidonate 12-lipoxygenase
- Angptl4 Angiopoietin-like 4
- Aox1 Aldehyde oxidase 1
- Apoe Apolipoprotein E
- Atox1 ATX1 antioxidant protein 1 homolog (yeast)
- Bnip3 BCL2/adenovirus E1B 19kDa interacting protein 3
- Cat Catalase
- Csde1 Cold shock domain containing E1, RNA-binding
- Cyba Cytochrome b-245, alpha polypeptide
- Cygb Cytoglobin
- Dhcr24 24-dehydrocholesterol reductase
- Duox1 Dual oxidase 1
- Duox2 Dual oxidase 2
- Dusp1 Dual specificity phosphatase 1
- Ephx2 Epoxide hydrolase 2, cytoplasmic
- Epx Eosinophil peroxidase
- Foxm1 Forkhead box M1
- Glrx Glutaredoxin
- Glrx2 Glutaredoxin 2
- Gpr156 G protein-coupled receptor 156
- Gpx1 Glutathione peroxidase 1
- Gpx2 Glutathione peroxidase 2
- Gpx3 Glutathione peroxidase 3
- Gpx4 Glutathione peroxidase 4
- Gpx5 Glutathione peroxidase 5
- Gpx6 Glutathione peroxidase 6
- Gpx7 Glutathione peroxidase 7
- Gsr Glutathione reductase
- Gss Glutathione synthetase
- Gsta4 Glutathione S-transferase A4 Gstm1 Glutathione S-transferase M1
- Gstm2 Glutathione S-transferase M2
- Gstm3 Glutathione S-transferase M3
- Gstm4 Glutathione S-transferase M4
- Gstm5 Glutathione S-transferase mu 5
- Gstp1 Glutathione S-transferase pi
- Gstt1 Glutathione S-transferase theta 1
- Gstz1 Glutathione transferase zeta 1
- Gtf2i General transcription factor II, i
- Krt1 Keratin 1
- Lpo Lactoperoxidase
- Mgst1 Microsomal glutathione S-transferase 1
- Mpv17l MpV17 mitochondrial inner membrane protein
- Msra Methionine sulfoxide reductase A
- Mt2a Metallothionein 2A
- Mt3 Metallothionein 3
- Mtl5 Metallothionein-like 5, testis-specific (tesmin)
- Ncf1 Neutrophil cytosolic factor 1
- Ncf2 Neutrophil cytosolic factor 2
- Ncf4 Neutrophil cytosolic factor 4
- Nos1 Nitric oxide synthase 1
- Nos2 Nitric oxide synthase 2
- Nos3 Nitric oxide synthase 3
- Nudt1 Nudix-type motif 1
- Nudt2 Nudix-type motif 2
- Oxr1 Oxidation resistance 1
- Oxsr1 Oxidative-stress responsive 1
- Pdlim1 PDZ and LIM domain 1 (elfin)
- Pnkp Polynucleotide kinase 3'-phosphatase
- Prdx1 Peroxiredoxin 1
- Prdx2 Peroxiredoxin 2
- Prdx3 Peroxiredoxin 3
- Prdx4 Peroxiredoxin 4
- Prdx5 Peroxiredoxin 5
- Prdx6 Peroxiredoxin 6
- Prex1 Phosphatidylinositol 3,4,5-trisphosphate-dependent RAC exchanger 1
- Prg3 Proteoglycan 3
- Prnp Prion protein (p27-30)
- Ptgs1 Prostaglandin-endoperoxide synthase 1
- Ptgs2 Prostaglandin-endoperoxide synthase 2
- Pxdn Peroxidase homolog (Drosophila)



- Rnf7 Ring finger protein 7
- Scara3 Scavenger receptor class A, member 3
- Sepp1 Selenoprotein P, plasma, 1
- Sftpd Surfactant, pulmonary-associated protein D
- Sgk2 Serum/glucocorticoid regulated kinase 2
- Sirt1 Sirtuin 1
- Sirt2 Sirtuin 2
- Sod1 Superoxide dismutase 1, soluble
- Sod2 Superoxide dismutase 2, mitochondrial
- Sod3 Superoxide dismutase 3, extracellular
- Srxn1 Sulfiredoxin 1 homolog
- Stk25 Serine/threonine kinase 25
- Tpo Thyroid peroxidase
- Txnrd1 Thioredoxin reductase 1
- Txnrd2 Thioredoxin reductase 2
- Xdh xanthine dehydrogenase
- Actb Actin, beta
- B2m Beta-2-microglobulin
- Gapdh Glyceraldehyde-3-phosphate dehydrogenase
- Gusb Glucuronidase, beta
- Hprt1 Hypoxanthine phosphoribosyltransferase 1
- Pkg Phosphoglycerate kinase 1
- Ppia Peptidylprolyl isomerase A
- Rpl13a Ribosomal protein L13a

Usage

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