

## Human Oxidative Stress Primer Library

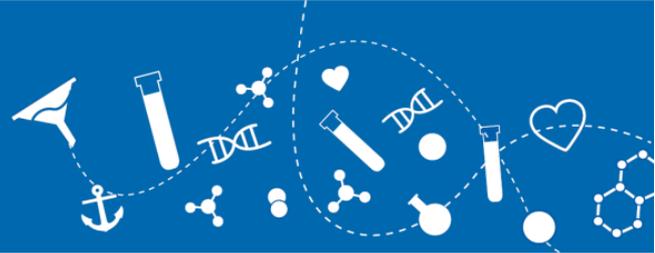
**Catalog No:** HOSL-1  
**Supplier:** RealTimePrimers  
**Lot No:** XXXXX  
**Supplied as:** solid  
**Stability:** store at -20°C

### 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
- ANGPTL7 Angiotensin-like 7
- 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
- GSTM2 Glutathione S-transferase M2 (muscle)
- GSTM3 Glutathione S-transferase M3 (brain)
- 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 (epidermolytic hyperkeratosis)
- LPO Lactoperoxidase
- MBL2 Mannose-binding lectin (protein C) 2, soluble
- MGST3 Microsomal glutathione S-transferase 3
- MPV17 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
- NME5 Non-metastatic cells 5,
- NOS2 Nitric oxide synthase 2
- NOS2A Nitric oxide synthase 2A
- NOX5 NADPH oxidase, EF-hand calcium binding domain 5
- 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)
- PIP3-E Phosphoinositide-binding protein PIP3-E
- 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 Peroxidasin homolog
- PXDNL Peroxidasin homolog (Drosophila)-like
- 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
- SIRT2 Sirtuin 2
- SOD1 Superoxide dismutase 1, soluble
- SOD2 Superoxide dismutase 2, mitochondrial
- SOD3 Superoxide dismutase 3, extracellular
- SRXN1 Sulfiredoxin 1 homolog (*S. cerevisiae*)
- STK25 Serine/threonine kinase 25 (STE20 homolog, yeast)
- TPO Thyroid peroxidase
- TTN Titin
- TXNRD1 Thioredoxin reductase 1
- TXNRD2 Thioredoxin reductase 2
- 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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