



Human Tumor Invasion/Metastasis Primer Library

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

Description

Contains 88 primer sets directed against tumor invasion/metastasis 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:

- ADAMTS1 ADAM metallopeptidase
- ALDH3A1 Aldehyde dehydrogenase 3 family, member A1
- ANGPT1 Angiopoietin 1
- ANGPTL4 Angiopoietin-like 4
- CASP8 Caspase 8, apoptosis-related cysteine peptidase
- CCNE2 Cyclin E2
- CCR7 Chemokine (C-C motif) receptor 7
- CD44 CD44 molecule (Indian blood group)
- CD82 CD82 antigen
- CDH1 Cadherin 1, type 1, E-cadherin (epithelial)
- CDH11 Cadherin 11, type 2, OB-cadherin (osteoblast)
- CDH2 Cadherin 2, type 1, N-cadherin
- CDH6 Cadherin 6
- CLDN7 Claudin 7
- COL1A1 Collagen, type I, alpha 1
- COL4A2 Collagen, type IV, alpha 2
- COL6A1 Collagen, type VI, alpha 1
- CSF1 Colony stimulating factor 1 (macrophage)
- CSF3 Colony stimulating factor 3 (granulocyte)
- CST7 Cystatin F (leukocystatin)
- CTGF Connective tissue growth factor
- CTSB Cathepsin B
- CTSD Cathepsin D
- CTSK Cathepsin K
- CTSL1 Cathepsin L-like 3
- CXCL1 Chemokine (C-X-C motif) ligand 1
- CXCL12 Chemokine (C-X-C motif) ligand 12
- CXCR4 Chemokine (C-X-C motif) receptor 4
- CXCR6 Chemokine (C-X-C motif) receptor 6
- DRG1 Developmentally regulated GTP binding protein 1
- EREG Epi-regulin
- FGF8 Fibroblast growth factor 8 (androgen-induced)
- FLT1 Fms-related tyrosine kinase
- FLT4 Fms-related tyrosine kinase 4
- GPI Glucose phosphate isomerase
- GSN Gelsolin (amyloidosis, Finnish type)
- HGF Hepatocyte growth factor (hepatopoietin A; scatter factor)
- HIF1A Hypoxia inducible factor 1, alpha subunit
- HMGB1 High-mobility group box 1
- ID1 Inhibitor of DNA binding 1
- IGFBP7 Insulin-like growth factor binding protein 7
- IL13RA2 Interleukin 13 receptor, alpha 2
- ISG20 Interferon stimulated exonuclease gene 20kDa
- JAG1 Jagged 1 (Alagille syndrome)
- KISS1 KiSS-1 metastasis-suppressor
- KLRC2 Killer cell lectin-like receptor subfamily C, member 2
- KYNU Kynureninase (L-kynurenine hydrolase)
- LTBP1 Latent transforming growth factor beta binding protein 1
- MAP2K4 Mitogen-activated protein kinase kinase 4
- MAP2K5 Mitogen-activated protein kinase kinase 5
- MAP2K7 Mitogen-activated protein kinase kinase 7
- MCAM Melanoma cell adhesion molecule
- MET Met proto-oncogene (hepatocyte growth factor receptor)
- METAP2 Methionyl aminopeptidase 2
- MMP1 Matrix metallopeptidase 1 (interstitial collagenase)
- MMP10 Matrix metallopeptidase 10 (stromelysin 2)
- MMP11 Matrix metallopeptidase 11 (stromelysin 3)
- MMP13 Matrix metallopeptidase 13 (collagenase 3)
- MMP14 Matrix metallopeptidase 14 (membrane-inserted)



- MMP2 Matrix metalloproteinase 2
- MMP7 Matrix metalloproteinase 7 (matrilysin, uterine)
- MYC V-myc myelocytomatosis viral oncogene homolog
- NEDD9 Neural precursor cell expressed, dev. down- regulated 9
- NF2 Neurofibromin 2 (merlin)
- NME1 Non-metastatic cells 1, protein (NM23A)
- NME2 Non-metastatic cells 2, protein
- NME4 Non-metastatic cells 4, protein
- PAX5 Paired box 5
- PDGFA Platelet-derived growth factor alpha polypeptide
- PLAUR Plasminogen activator, urokinase receptor
- PTGS2 Prostaglandin-endoperoxide synthase 2
- RUNX1 Runt-related transcription factor 1
- SERPINE1 Serpin peptidase inhibitor, clade E
- SERPINB5 Serpin peptidase inhibitor, clade B5
- SOX4 SRY (sex determining region Y)-box 4
- SPARC Secreted protein, acidic, cysteine-rich (osteonectin)
- SPP1 Secreted phosphoprotein 1
- SRC V-src sarcoma viral oncogene homolog (avian)
- SYK Spleen tyrosine kinase
- TFF1 Trefoil factor 1
- TGFBI Transforming growth factor, beta 1
- TIMP1 TIMP metalloproteinase inhibitor 1
- TIMP2 TIMP metalloproteinase inhibitor 2
- TIMP3 TIMP metalloproteinase inhibitor 3
- TIMP4 TIMP metalloproteinase inhibitor 4
- TNC Tenascin C (hexabrachion)
- TP53 Tumor protein p53
- VEGFA Vascular endothelial growth factor A
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH 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.