



## Mouse Tumor Invasion/Metastasis Primer Library

**Catalog No:** MTIM-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 metalloproteinase
- 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
- Ctst1 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 Epreparin
- 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 metalloproteinase 1 (interstitial collagenase)
- Mmp10 Matrix metalloproteinase 10 (stromelysin 2)
- Mmp11 Matrix metalloproteinase 11 (stromelysin 3)
- Mmp13 Matrix metalloproteinase 13 (collagenase 3)
- Mmp14 Matrix metalloproteinase 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
- Tgfb1 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
- Gapd Glyceraldehyde-3-phosphate dehydrogenase
- Gusb Glucuronidase, beta
- Hpirt1 Hypoxanthine phosphoribosyltransferase 1
- Pgk Phosphoglycerate kinase 1
- Ppia Peptidylprolyl isomerase A
- Rpl13a Ribosomal protein L13a

#### Usage

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