



Human Osteogenesis Primer Library

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

Description

Contains 88 primer sets directed against osteogenesis 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:

- AHS2 Alpha-2-HS-glycoprotein
- ALPL Alkaline phosphatase, liver/bone/kidney
- AMBN Ameloblastin (enamel matrix protein)
- AMELY Amelogenin, Y-linked
- BGLAP Bone gamma-carboxyglutamate (gla) protein
- BMP1 Bone morphogenetic protein 1
- BMP2 Bone morphogenetic protein 2
- BMP3 Bone morphogenetic protein 3
- BMP4 Bone morphogenetic protein 4
- BMP5 Bone morphogenetic protein 5
- BMP6 Bone morphogenetic protein 6
- BMP7 Bone morphogenetic protein 7
- CALCR Calcitonin receptor
- COL10A1 Collagen, type X, alpha 1
- COL11A1 Collagen, type XI, alpha 1
- COL12A1 Collagen, type XII, alpha 1
- COL14A1 Collagen, type XIV, alpha 1
- COL15A1 Collagen, type XV, alpha 1
- COL16A1 Collagen, type XVI, alpha 1
- COL1A1 Collagen, type I, alpha 1
- COL1A2 Collagen, type I, alpha 2
- COL2A1 Collagen, type II, alpha 1
- COL3A1 Collagen, type III, alpha 1
- COL4A3 Collagen, type IV, alpha 3
- COL5A1 Collagen, type V, alpha 1
- COL7A1 Collagen, type VII, alpha 2
- COL9A2 Collagen, type IX, alpha 2
- COMP Cartilage oligomeric matrix protein
- CSF2 Colony stimulating factor 2 (granulocyte-macrophage)
- CSF3 Colony stimulating factor 3 (granulocyte)
- CTGF Cathepsin K
- DKK1 Dickkopf 1 homolog
- DLX5 Distal-less homeobox 5
- DMP1 Dentin matrix acidic phosphoprotein 1
- EGF Epidermal growth factor (beta-urogastrone)
- EGFR Epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)
- ENAM Enamelin
- FGF1 Fibroblast growth factor 1 (acidic)
- FGF2 Fibroblast growth factor 2 (basic)
- FGF3 Fibroblast growth factor 3 (murine mammary tumor virus integration site (v-int-2) oncogene homolog)
- FGFR1 Fibroblast growth factor receptor 1
- FGFR2 Fibroblast growth factor receptor 2
- FLT1 Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
- FOS FBJ osteosarcoma oncogene
- GDF10 Growth differentiation factor 10
- HIF1A Hypoxia inducible factor 1, alpha subunit
- IGF1 Insulin-like growth factor 1 (somatomedin C)
- IGF1R Insulin-like growth factor 1 receptor
- IGF2 Insulin-like growth factor 2 (somatomedin A)
- IGFBP3 Insulin-like growth factor binding protein 3
- MINPP1 Multiple inositol polyphosphate histidine phosphatase, 1
- MMP2 Matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)
- MMP8 Matrix metalloproteinase 8 (neutrophil collagenase)
- MMP9 Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
- MSX1 Msh homeobox 1
- MSX2 Msh homeobox 2
- NKX3-2 NK3 homeobox 2
- PDGFA Platelet-derived growth factor alpha polypeptide
- PDGFRB Platelet-derived growth factor receptor, beta polypeptide



- PHEX Phosphate regulating endopeptidase homolog, X- linked
- PTGS2 Prostaglandin-endoperoxide synthase 2
- RUNX2 Runt-related transcription factor 2
- SMAD1 SMAD family member 1
- SMAD2 SMAD family member 2
- SMAD3 SMAD family member 3
- SMAD4 SMAD family member 4
- SMAD5 SMAD family member 5
- SMAD6 SMAD family member 6
- SMAD7 SMAD family member 7
- SMAD9 SMAD family member 9
- SOX9 SRY (sex determining region Y)-box 9
- SP7 Sp7 transcription factor
- SPARC Secreted acidic cysteine rich glycoprotein
- SPP1 Secreted phosphoprotein 1
- STATH Statherin
- TFIP11 Tuftelin interacting protein 11
- TGFB1 Transforming growth factor, beta 1
- TGFB2 Transforming growth factor, beta 2
- TGFB3 Transforming growth factor, beta 3
- TGFBR1 Transforming growth factor, beta receptor 1
- TGFBR2 Transforming growth factor, beta receptor II (70/80kDa)
- TNC Tenascin C
- TNFRSF11B Tumor necrosis factor receptor superfamily, member 11b
- TUFT1 Tuftelin 1
- TWIST1 Twist homolog 1 (Drosophila)
- VDR Vitamin D (1,25- dihydroxyvitamin D3) receptor
- VEGFA Vascular endothelial growth factor A
- VEGFB Vascular endothelial growth factor B
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK1 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

Usage

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