

## Product datasheet for SC212052

### DMP1 (NM\_001079911) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	DMP1 (NM_001079911) Human 3' UTR Clone
Symbol:	DMP1
Synonyms:	ARHP; ARHR; DMP-1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001079911
Insert Size:	1067 bp
Insert Sequence:	<p>&gt;SC212052 3'UTR clone of NM_001079911</p> <p>The sequence shown below is from the reference sequence of NM_001079911. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GATGACAAATGACTGCCAAGACGGCTATAGCATCAGCTGTCCTAAGAAGCAGTTGTCACATAAAGGAGT
CTTAGGGACTTGAAAATGTATCATGATAACTATAATTTATTGATGTTTTGATCAAAAGAATAACCAGAT
GCCATATTTTTCTGAAAGGAATTGCTGGACATTACACTTGTTTTAGGGTGTCATCTTCACAGAGG
TTTAAATACTGTGGAGTGACACCAGAACACAGCCAAAGAGGCTAGAAGCAAGAAAGGATCTGCATGATA
ACTTTGCAGCTGAGATAGTTCTAATTCATCAACGTAACAAACAAAGCTATTGGGTGTCCATGATATAC
CAGGCACTATGCTAGGTGTTGAGAATGTAAGCAGGTTAAGACTTGTTTCTTGCTCCTGAGGAGCGTAT
AGAAGGACCCACAAAGCTACAGAGTTAAAGAGGGATATGTATAAGAGAAACAAGAATTGTTACAACCCA
GTATGGTGAGTGCCAAGACAGAGAGCTATGAACACGATATCTATCTGGGAACACTGAGAAGGGTGACCA
ATGCGTTGGAGAACGAGGGAGGGCTTCATAGCAGAAGACATTGGAGTTGGAAGGTTGCATAGGGTTTCC
TCATTGGAGACCGGGAATTCTATTCTTGGGATAAATAATAGTAAATTCTATAGGATTCAATACTTAGT
TTGCAAAAGCACTTTGAAATTATGGCACAGTGAGTTGTTTTGGATAAGAAAATCTTTTTCTCCCAATTA
ATTTACCAATTCATCATTTTTTTTTTTTGTAGAACTCCCATAAACATCACCTTACTAATCACTGGTGA
TGATAAGAAGGATTGGGTGAGGAAGAGTGGGAGAAAGAAATTCCTTTACGTAGATACTTTTTAGCTT
TATTTTTTCTAAAATCAGTTTGCCTGCAATGCTAGAAAAAACTGTTCTCTGAGTCCTTTACAGAGCAA
AATTCTGTATGTAAGATTCAATTGATTTTTGACAAATACCATTTGAAATATTACCTCAACATAAAATAC
TTGTTTTGTAATAAGATTATAATACCCAGAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<a href="#">NM_001079911.3</a>
Summary:	Dentin matrix acidic phosphoprotein is an extracellular matrix protein and a member of the small integrin binding ligand N-linked glycoprotein family. This protein, which is critical for proper mineralization of bone and dentin, is present in diverse cells of bone and tooth tissues. The protein contains a large number of acidic domains, multiple phosphorylation sites, a functional arg-gly-asp cell attachment sequence, and a DNA binding domain. In undifferentiated osteoblasts it is primarily a nuclear protein that regulates the expression of osteoblast-specific genes. During osteoblast maturation the protein becomes phosphorylated and is exported to the extracellular matrix, where it orchestrates mineralized matrix formation. Mutations in the gene are known to cause autosomal recessive hypophosphatemia, a disease that manifests as rickets and osteomalacia. The gene structure is conserved in mammals. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	1758
MW:	42.6