

## 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  
**Vector:** pMirTarget (PS100062)  
**Symbol:** DMP1  
**Synonyms:** ARHP; ARHR; DMP-1  
**ACCN:** NM\_001079911  
**Insert Size:** 1067 bp  
**Insert Sequence:** >SC212052 3'UTR clone of NM\_001079911  
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.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGACAATGACTGCCAAGACGGCTATAGCATCAGCTGTCTAAGAAGCAGTTGTCACATAAAGGAGT
CTTAGGGACTTGAAAATGTATCATGATAACTATAATTTATTGATGTTTTGATCAAAAAGAATAACCAGAT
GCCATATTTTTCTGAAAGGAATTGCTGGACATTACACTTGTTTTTAGGGTGTCAATTTACAGAGG
TTTAAATACTGTGGAGTGACACCAGAACACAGCCAAAGAGGCTAGAAGCAAGAAAGGATCTGCATGATA
ACTTTGCAGCTGAGATAGTTCTAATTCATCAACGTAACAAACAAAGCTATTGGGTGTCCATGATATAC
CAGGCACTATGCTAGGTGTTGAGAATGTAAGCAGGTTAAGACTTGTTCTTGCTCCTGAGGAGCGTAT
AGAAGGACCCACAAGCTACAGAGTTAAAGAGGGATATGTATAAGAGAAACAAGAATTGTTACAACCCA
GTATGGTGAGTGCCAAGACAGAGAGCTATGAACACGATATCTATCTGGGAACACTGAGAAGGGTGACCA
ATGCGTTGGAGAACGAGGGAGGGCTTCATAGCAGAAGACATTGGAGTTGGAAGGTTGCATAGGGTTTCC
TCATTGGAGACCGGAAATTCTATTCTTGGGATAAATAATAGTAAATTCTATAGGATTCAATACTTAGT
TTGCAAAAGCACTTTGAAATTATGGCACAGTGAGTTGTTTTGGATAAGAAAATCTTTTTCTCCAATTA
ATTTACCAATTCATCTTTTTTTTTTTTTTGTAGAACTCCCATAAACATCACCTTACTAATCACTGGTGA
TGATAAGAAGGATTGGGTCAGGAAGAGTGGGAGAAAGAAATTCCTCTTTACGTAGATACTTTTTAGCTT
TATTTTTTCTAAAATCAGTTTGGCGTGAATGCTAGAAAAAACTGTTCTCTGAGTCTTTACAGAGCAA
AATTCTGTATGTAAGATTCAATTGATTTTTGACAAATACCATTTGAAATATTACCTCAACATAAAATAC
TTGTTTTGTAATAAAGATTATAATACCCAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<u>NM_001079911.3</u>
<b>Summary:</b>	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]
<b>Locus ID:</b>	1758
<b>MW:</b>	42.6