

Product datasheet for **RN208236**

Dmp1 (NM_203493) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dmp1 (NM_203493) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dmp1
Synonyms:	DENTMAT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208236 representing NM_203493
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGACTGTTATCCTCCTTACGTTCTCTGGGGGCTGTCTGTGCTCTCCCTGTCCGACAGATACCAAA
 ATACTGAATCTGAAAGCTCCGAAGAGAGGACGGGCAATTTGGCTCAGTCACCGCCACCGCCATGGCAAA
 TAGTGACCACACGGACAGCAGTGAAGTCTGGAGAGGAGCTGGGCTCCGACAGAAGCCAGTATAGACCGGT
 GGTGGTCTCTAAGAGTGCCGGGATGGACGCCGATAAAGGAGGAGGATGAAGACGACAGTGGAGATGACA
 CCTTTGGAGACGAAGACAATGGCCAGGCCCGAAGAAAGACAGTGGGGAGGACCCTCCAGACTGGACAG
 TGACGAGGACTCGGCAGACACCACAGTCCAGTGAAGACAGCACGTCTCAAGAAAACAGTGCCCAAGAT
 ACCCCCAGTGACAGCAAGGACCACCACAGTGAAGGACAGCACGCTCAGGAGGAGACTCCACTC
 AGGACAGTGAGAGTGAGGAATATCGGGTAGGAGGTGGCAGCGAGGGGGAGAGTAGCCACGGGGACGGCTC
 TGAGTTCCGATGATGAGGGGATGCAGAGCGATGATCCCGGGAGCACAGGAGCGATCGAGGCCATACCCGA
 ATGAGCAGCGCTGGTATCAGGTCGGAAGAATCTAAAGGGGATCACGAGCCACGAGCACTCAGGATTCAG
 ATGACAGCCAGGATGTGGAATTTCAAGCAGGAAATCCTTCAGAAGGTCCCGGGTCTCTGAGGAAGACGA
 CAGAGGGGAGCTCGTGACAGCAACAGCAGGAAACCCAGAGCGACTCCACAGAGGATTTCCGCTCCAAG
 GAGGAAAGCAGGAGCGAGACTCAAGAGGACACAGCCGAGACCCAGTCCCAGGAAGATAGCCAGAGGGAC
 AAGACCCAGCAGTGAAGTCCAGCGAAGAGGCTGGTGAGCCATCCCAGGAAAGCAGCAGCGAGTCTCAGGA
 AGGGGTGGCCAGTGAAGTCCAGGGGTGACAACCCAGATAACACAAGCCAGACAGGAGACCAAGAGACAGT
 GAGTCCAGTGAGGAGGACAGACTGAACACGTTCTCCAGCTCAGAAAGTCAGTCCACCGAGGAGCAAGGTG
 ACAGCGAGTCTAATGAGAGCCTCAGCCTCTCAGAGGAGAGTCAAGGAGTCCGCCCAGGATGAGGACAGTTC
 CAGCCAGGAAGGCTCCAGTCTCAGAGTGCATCAAGGGAGAGCAGGAGTCAAGGAGCCAGTCTGAGCAG
 GACAGCCGTTCTGAGGAAAACAGGGACAGTGAAGTCTCAGGACAGTAGCCGATCCAAAGAAGAGAGCAACT
 CGACGGGGAGCACTTCCAGCAGCGAGGAGGACAACCACCCAAAAACATTGAAGCTGACAATAGGAAACT
 AATAGTTGATGCTTACCACAACAAACCTATTGGGGACCAAGATGACAATGATTGCCAAGATGGCTACTAG

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_203493

Insert Size: 1470 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_203493.3](#), [NP_987089.2](#)

RefSeq Size: 2651 bp

RefSeq ORF: 1470 bp

Locus ID: 25312

Cytogenetics: 14p22

Gene Summary: acidic protein associated with the dentin matrix; may be a matrix-associated acidic phosphoprotein; may have a regulatory role in dentin mineralization [RGD, Feb 2006]