

Product datasheet for **RR208236**

Dmp1 (NM_203493) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR208236 representing NM_203493
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGACTGTTATCCTCCTTACGTTCTCTGGGGGCTGTCTGTGCTCTCCCTGTCCGACAGATACCAAA
 ATACTGAATCTGAAAGCTCCGAAGAGAGGACGGGCAATTTGGCTCAGTCACCGCCACCGCCATGGCAAA
 TAGTGACCACACGGACAGCAGTGAAGTCTGGAGAGGAGCTGGGCTCCGACAGAAGCCAGTATAGACCGGT
 GGTGGTCTCTAAGAGTGCCGGGATGGACCCGATAAAGGAGGAGGATGAAGACGACAGTGGAGATGACA
 CCTTTGGAGACGAAGACAATGGCCAGGCCCGAAGAAAGACAGTGGGGAGGACCCTCCAGACTGGACAG
 TGACGAGGACTCGGCAGACACCACAGTCCAGTGAAGACAGCACGTCTCAAGAAAACAGTGCCCAAGAT
 ACCCCCAGTGACAGCAAGGACCACCACAGTGAAGGACAGCACGGCCTGAGGCAGGAGACTCCACTC
 AGGACAGTGAAGTGAAGTATCGGGTAGGAGTGGCAGCGAGGGGAGAGTAGCCACGGGGACGGCTC
 TGAGTTCCGATGATGAGGGGATGCAGAGCGATGATCCCGGGAGCACAGGAGCGATCGAGGCCATACCCGA
 ATGAGCAGCGCTGGTATCAGGTCGAAGAATCTAAAGGGGATCAGGAGCCACGAGCACTCAGGATTCAG
 ATGACAGCCAGGATGTGGAATTTCAAGCAGGAAATCCTTCAGAAGGTCCCGGGTCTCTGAGGAAGACGA
 CAGAGGGCAGCTCGTGACAGCAACAGCAGGAAACCCAGAGCGACTCCACAGAGGATTTCCGCTCCAAG
 GAGGAAAGCAGGAGCGAGACTCAAGAGGACACAGCCGAGACCCAGTCCCAGGAAGATAGCCAGAGGGAC
 AAGACCCAGCAGTGAAGTCCAGCGAAGAGGCTGGTGAGCCATCCCAGGAAAGCAGCAGCGAGTCTCAGGA
 AGGGGTGGCCAGTGAAGTCCAGGGGTGACAACCCAGATAACACAAGCCAGACAGGAGACCAAGAGACAGT
 GAGTCCAGTGAAGGAGCAGACTGAACACGTTCTCCAGCTCAGAAAGTCAAGTCCACCGAGGAGCAAGGTG
 ACAGCCGAGTCTAATGAGAGCCTCAGCCTCTCAGAGGAGAGTCAAGGAGTCCGCCCAGGATGAGGACAGTTC
 CAGCCAGGAAGGCTCCAGTCTCAGAGTGCATCAAGGGAGAGCAGGAGTCAAGGAGAGCCAGTCTGAGCAG
 GACAGCCGTTCTGAGGAAAACAGGGACAGTGAAGTCTCAGGACAGTACCCGATCCAAAGAAGAGAGCAACT
 CGACGGGGAGCACTTCCAGCAGCGAGGAGGACAACCCCAAAAAACATTGAAGCTGACAATAGGAAACT
 AATAGTTGATGCTTACCACAACAAACCTATTGGGGACCAAGATGACAATGATTGCCAAGATGGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208236 representing NM_203493
 Red=Cloning site Green=Tags(s)

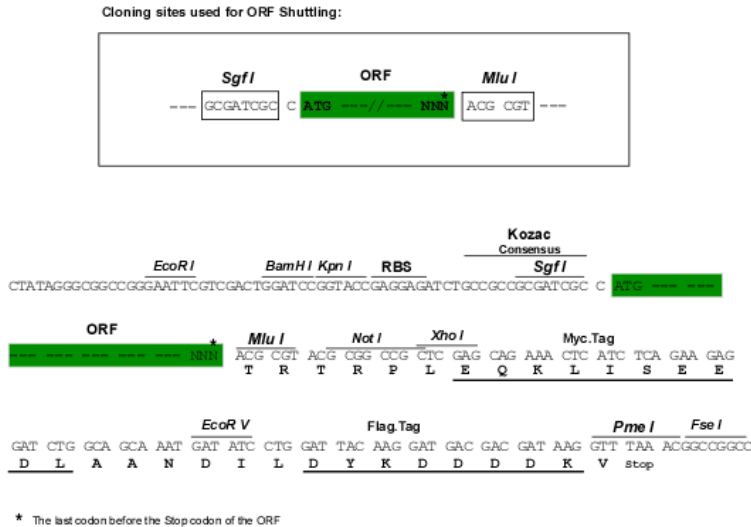
MKTVILLTFLWGLSCALPVARVYQNTESSESEERTGNLAQSPPPPMANS DHTDSSSEGEELGSDRSQYRPA
 GGLSKSAGMDADKEEDEDSDDTFGDEDNGPPEERQWGGPSRLDSEDESDTTQSSSEDSTSQENSAQD
 TPSDKDHHSDADRPEAGDSTQDSESEYRVGGGSEGESSHGDGSEFDDEGMQSDDPGSTRSDRGHTR
 MSSAGIRSEESKGDHEPTSTQSDSDQDVEFSSRKSFRSRVSEEDDRGELADSNRETQSDSTEDFRSK
 EESRSETQEDTAETQSQEDSPEGQDPSSSESSEEAGEPSQESSSESQEGVASESRGDNPDNTSQTGDQRDS
 ESSEEDRLNTFSSSESQSTEEQGDSESNESLSSEESQESAQDEDESSSQEGLQSQSASRESRSQESQSEQ
 DSRSEENRSDSDSQSSRSKEESNSTGSTSSSEEDNHPKNI EADNRKLI VDAYHNKPIGDQDNDQCQDGY

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_203493

ORF Size: 1467 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

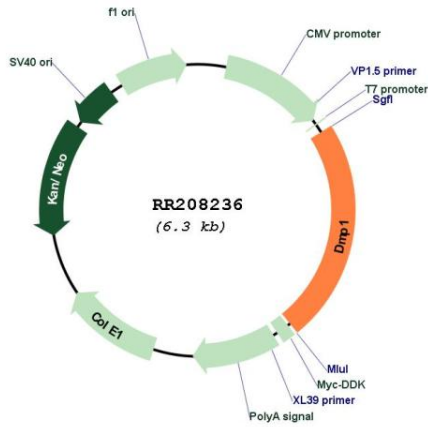
Locus ID: 25312

Cytogenetics: 14p22

MW: 53.1 kDa

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]

Product images:



Circular map for RR208236