

Product datasheet for RC231711

MDP1 (NM_001199821) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MDP1 (NM_001199821) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MDP1
Synonyms: FN6PASE; MDP-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231711 representing NM_001199821
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCGGCTACCGAAGCTGGCAGTCTTTGATTTGGATTACACTCTCTGGCCTTTCTGGGTCGACACGC
ACGTAGACCCTCCGTTCCATAAGAGCAGTGATGGAAGTGTACGAGATAGGCGGGCCAAGACGTCGGACT
GTACCCAGAGGTGCCTGAGGTCCTAAAACGATTGCAGAGCCTTGGGGTGCCCGGTGCGGCTGCTCAAGG
ACAAGTGAGATAGAAGGGGCCAACCAGCTACTGGAGCTCTTGACCTCTTCAGGTGTACCTGCATTAC
ATCCAGAATGGAATGAATCTTCAAACCTAAGTCAAGGGTTAGAGACATTTGCGAAGGCCAAACTGGGC
CTTTGAGGTCCAGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231711 representing NM_001199821
Red=Cloning site Green=Tags(s)

MARLPKLAVFDLDYTLWPFWDTHVDPPFHKSSDGTVRDRRGQDVRLYPEVPEVLKRLQSLGVPGAAASR
TSEIEGANQLLELFDLFRCYLHSHPEWNESSNSKSRVRDICEGPNWAFEVQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

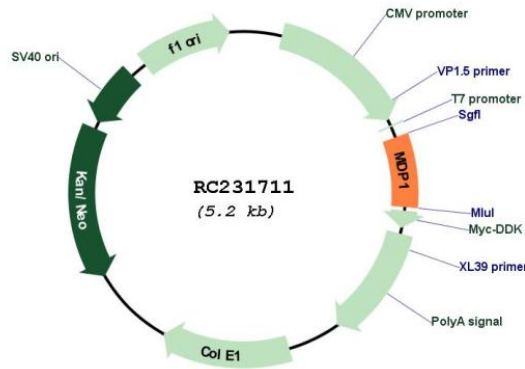


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001199821

ORF Size: 366 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:	<ol style="list-style-type: none">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:	<u>NM_001199821.1</u> , <u>NP_001186750.1</u>
RefSeq Size:	620 bp
RefSeq ORF:	369 bp
Locus ID:	145553
UniProt ID:	<u>Q86V88</u>
Cytogenetics:	14q12
MW:	14.5 kDa
Gene Summary:	Magnesium-dependent phosphatase which may act as a tyrosine phosphatase. [UniProtKB/Swiss-Prot Function]