

Product datasheet for **RC235956**

MDP1 (NM_001199822) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MDP1 (NM_001199822) 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: >RC235956 representing NM_001199822
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCGGCTACCGAAGCTGGCAGTCTTTGATTTGGATTACACTCTCTGGCCTTTCTGGGTCGACACGC
ACGTAGACCCTCCGTTCCATAAGAGCAGTGATGGAAGTGTACGAGATAGGCGGGCCAAGACGTCGGACT
GTACCCAGAGGTGCCTGAGGTCCTAAAACGATTGCAGAGCCTTGGGGTGCCCGGTGCGGCTGCTTCAAGG
ACAAGTGAGATAGAAGGGCCAACCAGCTACTGGAGCTCTTTGACCTCTTCAGGTTTGTTCATCGGG
AAATCTATCCAGGCAGCAAGATCACACACTTTGAGAGGTTGCAGCAGAAGACTGGAATTCCTTTCTCCCA
GATGATCTTTTATGATGAGAGGCGGAATTTGTAGACGTCAGCAAAGTGGTACTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235956 representing NM_001199822
Red=Cloning site **Green**=Tags(s)

MARLPKLA VFDLDYTLWPFWDTHVDPPFHKSSDGTVRDRRGQDVRLYPEVPEVLKRLQSLGVPGAAASR
TSEIEGANQLLELFDLFRYFVHREIYPGSKITHFERLQKQKTIPIFSQMIFFDERRNIVDVKLGTE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

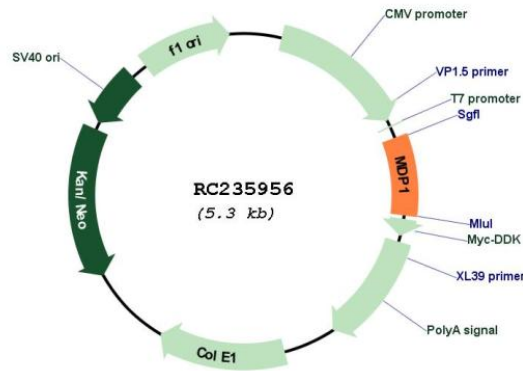


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001199822

ORF Size: 411 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_001199822.1</u> , <u>NP_001186751.1</u>
RefSeq Size:	808 bp
RefSeq ORF:	414 bp
Locus ID:	145553
Cytogenetics:	14q12
MW:	16.4 kDa
Gene Summary:	Magnesium-dependent phosphatase which may act as a tyrosine phosphatase. [UniProtKB/Swiss-Prot Function]