

Product datasheet for **SC333850**

MDP1 (NM_001199822) Human Untagged Clone

Product data:

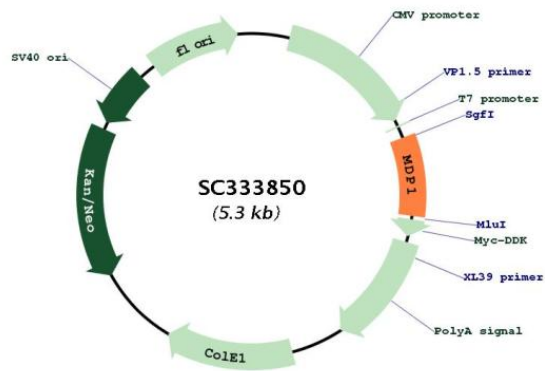
Product Type:	Expression Plasmids
Product Name:	MDP1 (NM_001199822) Human Untagged Clone
Tag:	Tag Free
Symbol:	MDP1
Synonyms:	FN6PASE; MDP-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333850 representing NM_001199822. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCGGCTACCGAAGCTGGCAGTCTTTGATTTGGATTACACTCTCTGGCCTTTCTGGGTCGACACG
CACGTAGACCCTCCGTTCCATAAGAGCAGTGATGGAAGTGTACGAGATAGGCGGGGCCAAGACGTCCGA
CTGTACCCAGAGGTGCCTGAGGTCCTAAAACGATTGCAGAGCCTTGGGGTGCCCGGTGCGGCTGCTTCA
AGGACAAGTGAGATAGAAGGGGCCAACCAGCTACTGGAGCTCTTTGACCTTTCAGGTACTTTGTTTCAT
CGGGAAATCTATCCAGGCAGCAAGATCACACACTTTGAGAGGTTGCAGCAGAAGACTGGAATTCCTTTC
TCCCAGATGATCTCTTTGATGATGAGAGCGGAATATTGTAGACGTAGCAAAGTGGTACTGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001199822

Insert Size: 414 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_001199822.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/nm_001199822.1)

RefSeq Size: 808 bp

RefSeq ORF: 414 bp

Locus ID: 145553

Cytogenetics: 14q12

MW: 15.9 kDa

Gene Summary: Magnesium-dependent phosphatase which may act as a tyrosine phosphatase.
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) differs in the 3' UTR and uses an alternate splice site that results in a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (3) has a distinct and shorter C-terminus, compared to isoform 1.