

## MDP1 cDNA

Catalog Number: ATGD0201

### PRODUCT INFORMATION

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**Catalog number**

ATGD0201

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_612485.2

**Alternative Names**

FN6PASE, MDP-1

**mRNA Refseq**

NM\_138476.3

**OMIM**

**Chromosome location**

14q12

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

531bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

MDP1 (Magnesium-Dependent Phosphatase 1) is a Protein Coding gene.

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### DATA

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#### Sequence nucleotides

ATGGCGCGGCTACCGAAGCTGGCAGTCTTTGATTTGGATTACACTCTCTGGCCTTTCTGGGTCGACACGCACGTAGACCCTC  
CGTTCCATAAGAGCAGTGATGGAAGTGTACGAGATAGGCGGGGCCAAGACGTCCGACTGTACCCAGAGGTGCCTGAGGTC  
CTAAAACGATTGCAGAGCCTTGGGGTGCCCGGTGCGGCTGCTTCAAGGACAAGTGAGATAGAAGGGGCCAACCAGCTACT  
GGAGCTCTTTGACCTCTTCAGGTACTTTGTTTCATCGGGAAATCTATCCAGGCAGCAAGATCACACACTTTGAGAGGTTGCAG  
CAGAAGACTGGAATTCCTTTCTCCAGATGATCTTCTTTGATGATGAGAGGCGGAATATTGTAGACGTCAGCAAAGTGGGTG  
TTACCTGCATTCACATCCAGAATGGAATGAATCTTCAAAGTCAAGGGTTAGAGACATTTGCGAAGGCCCAAAGTGG  
GCCTTTGAGGTCCAGCCTTGAGGAGAGCCCATTTGAGGCCTAA

#### Transaction Sequence

MARLPKLAVF DLDYTLWPFW VDTHVDPFFH KSSDGTVRDR RGQDVRLYPE VPEVLKRLQSLGVPGAAASR TSEIEGANQL  
LELFDLFRYF VHREIYPGSK ITHFERLQK TGIPFSQMIFFDERRNIVD VSKLGVTCIH IQNGMNLQTL SQGLETFKA  
QTGPLRSSLE ESPFEA