

Product datasheet for **RG235956**

MDP1 (NM_001199822) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MDP1 (NM_001199822) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MDP1
Synonyms: FN6PASE; MDP-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235956 representing NM_001199822.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCGGCTACCGAAGCTGGCAGTCTTTGATTTGGATTACACTCTCTGGCCTTCTGGGTGACACG
CACGTAGACCCTCCGTTCCATAAGAGCAGTGATGGAAGTGTACGAGATAGGCGGGGCCAAGACGTCCGA
CTGTACCCAGAGGTGCCTGAGGTCTAAAACGATTGCAGAGCCTTGGGTGCCCGGTGCCGCTGCTTCA
AGGACAAGTGAGATAGAAGGGGCCAACCAGCTACTGGAGCTCTTGACCTTTCAGGTACTTTGTTTCAT
CGGGAAATCTATCCAGGCAGCAAGATCACACACTTTGAGAGGTTGCAGCAGAAGACTGGAATTCCTTC
TCCCAGATGATCTTCTTTGATGATGAGAGGCGGAATTTGTAGACGTAGCAAACTGGGTACTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235956
Blue=ORF Red=Cloning site Green=Tag(s)

```
MARLPKLAVFDLDYTLWPFWVDTHVDPFHKSSDGTVRDRRGQDVRLYPEVPEVLKRLQSLGVPAAAS
RTSEIEGANQLLELFDLFRYFVHREIYPGSKITHFERLQKQTGIPFSQMIFFDERRNIVDVSKLGTE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


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).

RefSeq: [NM_001199822.1](#), [NP_001186751.1](#)

RefSeq Size: 808 bp

RefSeq ORF: 414 bp

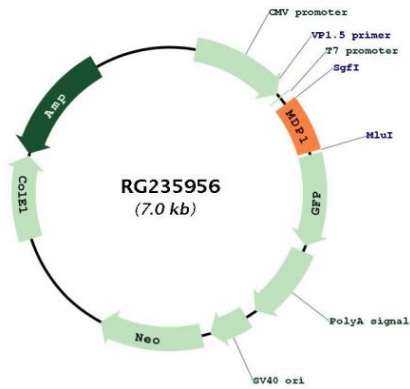
Locus ID: 145553

Cytogenetics: 14q12

MW: 16.4 kDa

Gene Summary: Magnesium-dependent phosphatase which may act as a tyrosine phosphatase. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG235956