

Recombinant Human MDP1, His-tagged

Cat. No. MDP1-27383TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human MDP1 with an N terminal His tag ; predicted MWt: 22.7 kDa.
Species	Human
Source	E.coli
ProteinLength	176 amino acids
Description	MDP1 (Magnesium-dependent phosphatase 1) belongs to the HAD-like hydrolase superfamily. This protein is a magnesium-dependent phosphatase which may act as a tyrosine phosphatase. It is inhibited by vanadate and zinc, and slightly by calcium.
Conjugation	HIS
Molecular Weight	22.700kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 2mM DTT, 100mM Sodium chloride, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

Sequences of amino acids

MGSSHHHHHHSSGLVPRGSHMGSHMARLPKLAVFDLDYTLWPFWVDTHVDPPFH
KSSDGTVRDRRGQDVRLYPEVPEVLKRLQSLGVPGAAASRTSEIEGANQLLELFDLF
RYFVHREIYPGSKITHFERLQKKTGIPFSQMIFFDDERRNIVDVSKLGVTCIHIQNGMN
LQTLSQGLETFAKAQTGPLRSSLEESPFEA

GENE INFORMATION

Gene Name	MDP1 magnesium-dependent phosphatase 1 [Homo sapiens]
Official Symbol	MDP1
Synonyms	MDP1; magnesium-dependent phosphatase 1; FN6Pase; fructosamine 6 phosphatase; MGC5987;
Gene ID	145553
mRNA Refseq	NM_001199822
Protein Refseq	NP_001186751
Uniprot ID	Q86V88
Chromosome Location	14q12
Function	hydrolase activity; metal ion binding; protein tyrosine phosphatase activity;

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