

Recombinant Human Magnesium-Dependent Phosphatase 1, His-tagged

Cat. No. MDP1-944H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MDP1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 22.7kDa (200aa).
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGSMMARLPK LAVFDLDYTL WPFWVDTHVD PPFHKSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG ANQLLELFDL FRYFVHREIY PGSKITHFER LQQKTGIPFS QMIFFDDERR NIVDVSKLGV TCIHIQNGMN LQTLSQGLET FAKAQTGPLR SSLEESPFEA.

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Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

MDP1 magnesium-dependent phosphatase 1 [Homo sapiens]

Synonyms

magnesium-dependent phosphatase 1; MDP-1; FN6Pase; MGC5987; MDP1;
magnesium-dependent phosphatase 1; fructosamine-6-phosphatase; EC 3.1.3.-,EC 3.1.3.48

Gene ID

145553

mRNA Refseq

NM_138476

Protein Refseq

NP_612485

UniProt ID

Q86V88

**Chromosome
Location**

14q12

Function

hydrolase activity; metal ion binding; protein tyrosine phosphatase activity

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