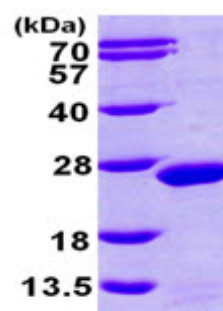


AR09763PU-L**Human MDP1 (1-176, His-tag) - Purified**

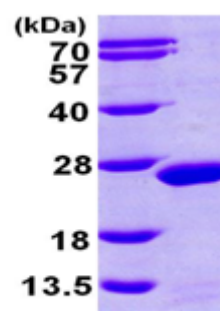
Alternate names:	FN6PASE, MDP-1, MGC5987, Magnesium-dependent phosphatase 1, Magnesium-dependent phosphatase 1
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	MDP1 (Magnesium-dependent phosphatase 1) belongs to the HAD-like hydrolase superfamily. This protein is a magnesium-dependent phosphatase which may act as a tyrosine phosphatase. It is inhibited by vanadate and zinc, and slightly by calcium.
Uniprot ID:	Q86V88
NCBI:	NP_001186750
GeneID:	145553
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl
Description:	Recombinant human MDP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> SSGLVPRGSH MGSHMARLPK LAVFDLDYTL WPFWVDTHVD PPFHKSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG ANQLLELFDL FRYFVHREIY PGSKITHFER LQQKTGIPFS QMIFFDDERR NIVDVSKLGV TCIHIQNGMN LQTLSQGLET FAKAQTGPLR SSLEESPFEA Molecular weight: 22.7 kDa (200aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Fortpied J., et al. (2006) J Biol Chem. 281(27):18378-85. Selengut JD., et al. (2000) Biochemistry 39(28):8315-24.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human MDP1, 1-176aa, His-tagged



15% SDS-PAGE (3ug)