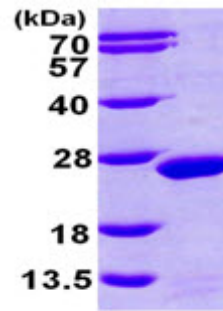


**AR09763PU-N****Human MDP1 (1-176, His-tag) - Purified**

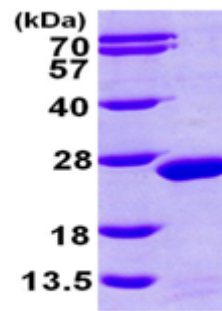
<b>Alternate names:</b>	FN6PASE, MDP-1, MGC5987, Magnesium-dependent phosphatase 1, Magnesium-dependent phosphatase 1
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	MDP1 (Magnesium-dependent phosphatase 1) belongs to the HAD-like hydrolase superfamily. 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.
<b>Uniprot ID:</b>	<a href="#">Q86V88</a>
<b>NCBI:</b>	<a href="#">NP_001186750</a>
<b>GeneID:</b>	<a href="#">145553</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% <b>Buffer System:</b> 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl
<b>Description:</b>	Recombinant human MDP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. <b>AA Sequence:</b> <u>MGSSHHHHHH</u> SSGLVPRGSH MGS <del>H</del> MARLPK LAVFDLDYTL WPFWVDTHVD PPFHKSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG ANQLLELFDL FRYFVHREIY PGSKITHFER LQKKTGIPFS QMIFFDERR NIVDVSKLGV TCIHIQNGMN LQTLSQLLET FAKAQTGPLR SSLEESPFEA <b>Molecular weight:</b> 22.7 kDa (200aa), confirmed by MALDI-TOF
<b>Storage:</b>	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.
<b>General Readings:</b>	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)