

## Magnesium-Dependent Phosphatase 1 Human Recombinant

<b>Item Number</b>	rAP-1502
<b>Synonyms</b>	Magnesium-dependent phosphatase 1, MGC5987, MDP-1, FN6Pase, fructosamine-6-phosphatase, SFTB3, SFTPB, MDP1.
<b>Description</b>	MDP1 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 200 amino acids (1-176 a.a.) and having a molecular mass of 22.7kDa. The MDP1 is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q86V88
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMARLPK LAVFDLDYTL WPFWVDTHVD PPFHKSSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG ANQLLELFDL FRYFVHREIY PGSKITH- FER LQQKTGIPFS QMIFFDDERR NIVDVSKLGV TCIHQNGMN LQTLSQGLET FAKAQTGPLR SSLEESPFEA.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The MDP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**