

Magnesium-Dependent Phosphatase 1 Human Recombinant

Item Number	rAP-1502
Synonyms	Magnesium-dependent phosphatase 1, MGC5987, MDP-1, FN6Pase, fructosamine-6-phosphatase, SFT-B3, SFTPB, MDP1.
Description	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.
Uniprot Accession Number	Q86V88
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMARLPK LAVFDLDYTL WPFWVDTHVD PPFHKSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG ANQLELFDL FRYFVHREIY PGSKITH- FER LQQKTGIPFS QMIFFDDERR NIVDVSKLGV TCIHIQNGMN LQTLSQGLET FAKAQTGPLR SSLEESPFEA.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**