

## MDP1 Human

**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.

**Catalog #:**ENPS-051

For research use only.

**Synonyms:**Magnesium-dependent phosphatase 1, MGC5987, MDP-1, FN6Pase, fructosamine-6-phosphatase, SFTB3, SFTPB, MDP1.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHMARLPK LAVFDLDYTL  
WPFVVDTHVD PPFHKSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG  
ANQLLELFDL FRYFVHREIY PGSKITHFER LQKKTGIPFS QMIFFDDERR NIVDVSKLGV  
TCIHQNGMN LQTLSSQLET FAKAQTGPLR SSLEESPFEA.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The MDP1 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 100mM NaCl.

**Stability:**

MDP1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Magnesium-dependent phosphatase 1 (MDP1) is a member of the HAD-like hydrolase superfamily. MDP1 is a magnesium-dependent phosphatase which may act as a tyrosine phosphatase. MDP1 is inhibited by vanadate and zinc, and slightly by calcium.

**To place an order, please [Click HERE](#).**