

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
WPFWVDTHVD PPFHKSSDGT VRDRRGQDVR LYPEVPEVLK RLQSLGVPGA AASRTSEIEG
ANQLLELFDL FRYFVHREIY PGSKITHFER LQKKTGIPFS QMIFFDDERR NIVDVSKLGV
TCIHQNGMN LQTL SQLET 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.

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