

MDP1, 1-176aa, Human, His tag, E.coli

Cat.NO.: TP02936

3th Edition

Synonyms: Magnesium-dependent phosphatase 1, MDP-1

Description: 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. Recombinant human MDP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 2mM DTT, 100mM NaCl

Molecular Weight: 22.7kDa (200aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMARLPKLAVFDLDYTLWPFWVDTHVDPPFHKSSDGTVRDRRGQDVRLYP
EVPEVLKRLQSLGVPGAAASRTSEIEGANQLLELFDLFRYFVHREIYPGSKITHFERLQKKTGIPFSQMIFDDERRNI
VDVSKLGVTCIHIQNGMNLQTLSSQGLETFKAQQTGPLRSSLEESPFEA

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.