Recombinant Human MDP1 Protein (His Tag)

Catalog Number:PKSH032728



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Magnesium-dependent phosphatase 1;MDP-1;EC=3.1.3.48;

Species Human

Expression Host

Sequence

Met 1-Ala176

Accession

Q86V88

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Met 1-Ala176

Q86V88

21.1 kDa

18 kDa

C-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$

Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

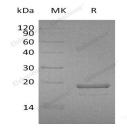
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10%

Glycerol, pH 7.5.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

MDP1, which is short for nesium-dependent phosphatase 1, is a 176 aa. protein. It has 3 forms by different alternative splicing. This protein belongs to the HAD-like hydrolase superfamily, and usually takes its function with Magnesium. It can be inhibited by vanadate and zinc, and slightly by calcium. MDP1 is a Magnesium-dependent phosphatase which may act as a tyrosine phosphatase.

For Research Use Only

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