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## **MDP1 Protein (His tag)**



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Quantity:	50 μg	
Target:	MDP1	
Origin:	Human	
Source:	Human Cells	
Protein Type:	Recombinant	
Purification tag / Conjugate:	This MDP1 protein is labelled with His tag.	
Product Details		
Purpose:	Recombinant Human MDP1 Protein (His Tag)	
Sequence:	Met 1-Ala176	
Characteristics:	Recombinant Human Magnesium-dependent phosphatase 1 is produced by our Mammalian expression system and the target gene encoding Met1-Ala176 is expressed with a 6His tag at the C-terminus.	
Purity:	> 90 % as determined by reducing SDS-PAGE.	
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.	
Target Details		
Target:	MDP1	
Alternative Name:	MDP1 (MDP1 Products)	
Background:	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

#### Target Details

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.
Synonym: Magnesium-dependent phosphatase 1,MDP-1,EC=3.1.3.48,
21.1 kDa

Molecular Weight:

UniProt:

Q86V88

## Application Details

Restrictions:

For Research Use only

### Handling

Format:	Frozen, Liquid	
Buffer:	Supplied as a 0.2 $\mu$ m filtered solution of 20 mM TrisHCl,150 mM NaCl,10 % Glycerol, pH 7.5.	
Storage:	-20 °C	
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.	