

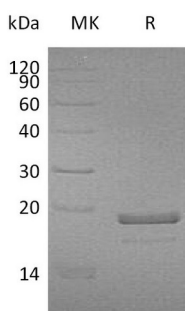
**Product Name: Recombinant Human MDP1 (C-6His)**  
**Catalog #: PHH1144**



## Summary

|                                 |   |
|---------------------------------|---|
| <b>Name</b>                     | MDP1/Magnesium-dependent phosphatase 1  |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE   |
| <b>Endotoxin level</b>          | <1 EU/μg as determined by LAL test.   |
| <b>Construction</b>             | 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. |
| <b>Accession #</b>              | Q86V88  |
| <b>Host</b>                     | Human Cells   |
| <b>Species</b>                  | Human   |
| <b>Predicted Molecular Mass</b> | 21.1 KDa  |
| <b>Formulation</b>              | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.  |
| <b>Shipping</b>                 | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.  |
| <b>Stability&amp;Storage</b>    | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.                        |
| <b>Reconstitution</b>           |   |

## SDS-PAGE image



## Background

**Alternative Names** Magnesium-dependent phosphatase 1; MDP-1; EC=3.1.3.48

**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

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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.

**Note**

For Research Use Only , Not for Diagnostic Use.