

RP03565

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# Recombinant Mouse ENPP-1 Protein

Catalog No.: RP03565

Recombinant

## Sequence Information

| Species      | Gene ID | Swiss Prot |
|--------------|---------|------------|
| HEK293 Cells | 18605   | P06802-1   |

### Tags

C-His

### Synonyms

Enpp1; Npps; Pc1;  
Pdnp1; Ectonucleotide  
pyrophosphatase/phosphodiesterase  
family member 1

## Product Information

### Source

Dissolve the lyophilized protein in distilled water.

### Purification

> 95% as determined by Bis-Tris PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Dissolve the lyophilized protein in distilled water.

## Background

Ectonucleotide pyrophosphatase/phosphodiesterase (ENPP)-1 is a membrane-bound protein that catalyzes the hydrolysis of extracellular nucleoside triphosphates to monophosphate and extracellular inorganic pyrophosphate (ePPi). Mechanical stimulation regulates ENPP-1 expression.

## Basic Information

### Description

Recombinant Mouse ENPP-1 Protein is produced by HEK293 Cells system. The target protein is expressed with sequence (Lys80-Asp906) of Mouse ENPP-1 (Accession #NP\_001295256.1) fused with His tag at the C-Terminus.

### Bio-Activity

Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is > 100000 pmol/min/μg.

### Shipping

Lyophilized proteins are shipped at ambient temperature.  
Liquid proteins are shipped at frozen temperature with dry ice.  
Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

Store at -20°C  
Avoid repeated freeze/thaw cycles.

## Contact

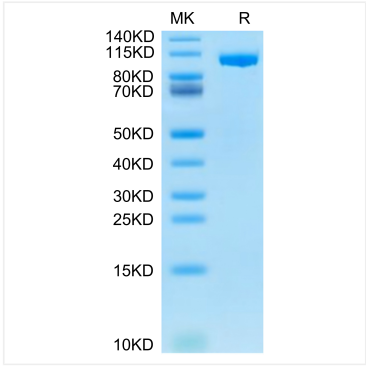


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## Validation Data

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Recombinant Mouse ENPP-1 Protein  
was determined on Bis-Tris PAGE  
under reduced condition.