

# Recombinant Mouse ENPP-1 Protein

Catalog No.: RP03565

## Sequence Information

|                   |                |
|-------------------|----------------|
| <b>Species</b>    | <b>Gene ID</b> |
| Mouse             | 18605          |
| <b>Swiss Prot</b> | <b>Tags</b>    |
| P06802-1          | C-His          |

## Synonyms

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

## Product Information

|               |                                             |
|---------------|---------------------------------------------|
| <b>Source</b> | <b>Purification</b>                         |
| HEK293 Cells  | > 95% as<br>determined by<br>Bis-Tris PAGE. |

## Calculated MW Observed MW

95.99 kDa      100-110 kDa

## 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.

### 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.

### Storage

Store at -20°C

### Operational Notes

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

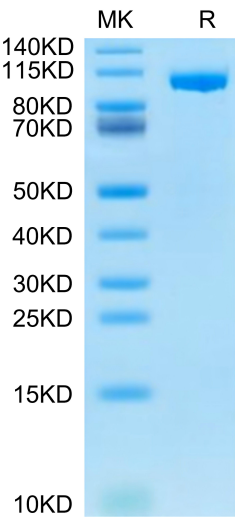
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Validation Data



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