

# Recombinant Human ENPP-1 Protein

Catalog No.: RP02960 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 5167    | P22413     |

### Tags

C-His

### Synonyms

ENPP1;ARHR2;COLED;M6S1;NPP1;NPPS;P  
C-1;PCA1;PDNP1

## Product Information

| Source       | Purification |
|--------------|--------------|
| HEK293 cells |              |

### Endotoxin

< 0.01EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## 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 Human ENPP-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys98-Asp925) of human ENPP-1 (Accession #NP\_006199.2) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

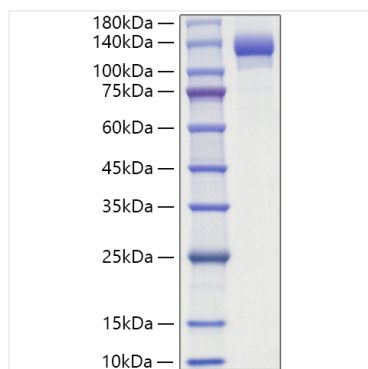
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human ENPP-1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-180 kDa.