

Catalog No.: RP03565 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	18605	P06802-1

C-His

Enpp1; Npps; Pc1; Pdnf1; Ectonucleotide
pyrophosphatase/phosphodiesterase
family member 1

Source	Purification
HEK293 Cells	> 95% as determined by Bis-Tris PAGE.

95.99 kDa 100-110 kDa

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

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

Dissolve the lyophilized protein in distilled water.

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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.

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.

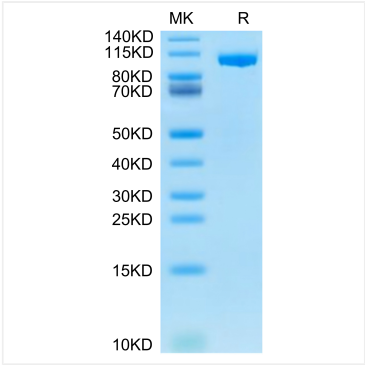
Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester.
The specific activity is > 100000 pmol/min/μg.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Store at -20°C. -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Avoid repeated freeze/thaw cycles.

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

Validation Data



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