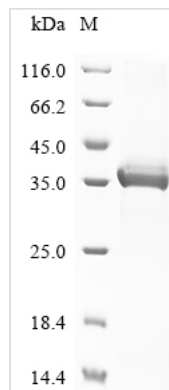




# Recombinant Mouse Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 (Enpp1), partial

<b>Product Code</b>	CSB-EP007679MO
<b>Abbreviation</b>	Recombinant Mouse Enpp1 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P06802
<b>Form</b>	Liquid or Lyophilized powder
<b>Storage Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	HMTVPYGRPRILLKQHHVCLLQQQQFLTGYSLDLLMPLWASYTFLRNDQFSR DDFSNCLYQDLRIPLSPVHKCSYYKSNSKLSYGFLTTPRLNRVSNHIYSEALLT SNIVPMYQSFQVIWHYLHDTLLQRYAHERNGINVVSGPVDFDGYDGRYDSLEIL KQNSRVIRSQEILIPTHFFIVLTSCKQLSETPLECSALESSAYILPHRPDNIESCT HGKRESSWVEELLTLHRARVTDVELITGLSFYQDRQESVSELLRLKTHLPIFSQ ED
<b>Research Area</b>	Metabolism
<b>Source</b>	E.coli
<b>Target Names</b>	Enpp1
<b>Expression Region</b>	635-906aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	37.8 kDa
<b>Protein Length</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

To produce a recombinant mouse Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 (Enpp1) protein, the gene fragment encoding the amino acids 635-906 of the mouse Enpp1 along with an N-terminal 6xHis-tag is inserted into a suitable expression vector. The constructed vector is then transformed into *E. coli* cells to enable protein expression. The transformed cells are selected, and a large-scale culture is established to promote efficient production of the recombinant Enpp1 protein. The N-terminal 6xHis-tag facilitates easy purification and detection of the recombinant Enpp1 protein. The purity of the recombinant mouse Enpp1 protein is confirmed to be up to 90% through SDS-PAGE analysis. On the gel, the recombinant Enpp1 protein appears as a distinct band with an approximate molecular weight of 38 kDa.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.