

Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1) Recombinant Protein | ENPP1 recombinant protein

Recombinant Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1)

CATALOG # AAA134405	HOST E.coli	REACTIVITY Rattus norvegicus (Rat)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1); Recombinant Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1); ENPP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Rattus norvegicus (Rat)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 50ug/mL (varies by lot)
Sequence	ESHGSLNHLL KKPIYTPSHP KEESFLSQCP IKSVSDDLGC TCDPSIVPIM DFEKQFNLT DAVEDVYSMT VPNGRPRNLQ KQHRVCLLHQ QQFLTGYSLD LLMPLWTSYT FLSNDQFSTD DFSNCLYQDL RIPLSPMHKC SYYKSTSKLS YGFLTPPRLN RVSRQIYSEA LLTSNIVPMY QSFQVIWQYL HDTVLRRYAQ ERNGVNVVSG PVFDFDYDGR YDSSEI
Applicable Applications for ENPP1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu568~Ile793
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.3
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in ddH2O to a concentration of 0.1-0.2 mg/mL. Do not vortex.

Preparation and Storage

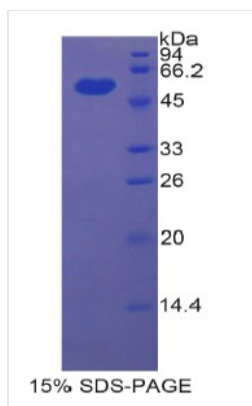
Storage:

Avoid repeated freeze/thaw cycles.
Store at 2-8 degree C for one month.
Aliquot and store at -80 degree C for 12 months.

Stability Test:

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758300
NCBI GeneID	85496
NCBI GenBank Nucleotide #	NM_053535.1
Molecular Weight	Predicted Molecular Mass: 56.1kDa Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 1
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 1
NCBI Official Symbol	Enpp1
NCBI Official Synonym Symbols	Pc1; Npps
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 1; E-NPP 1; plasma-cell membrane glycoprotein PC-1; phosphodiesterase I/nucleotide pyrophosphatase 1
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1
UniProt Gene Name	Enpp1
UniProt Synonym Gene Names	Npps; Pc1; Pdnpp1; E-NPP 1; NPPase
UniProt Entry Name	ENPP1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/enpp1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134405>