

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

Recombinant Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1)

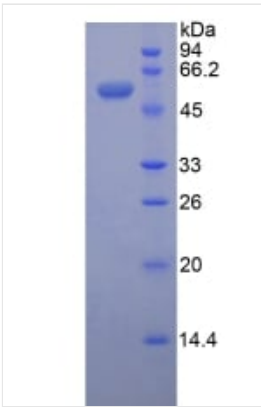
CATALOG # AAA134017	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH 8.0, containing 1mM EDTA, 1mMDTT, 5% trehalose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLYERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLVMDPM CLDAFPKLVC FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGGLGS EF-GSHGSLN HLLKKPIYNP SHPKEEGFLS QCPIKSTSND LGCTCDPWIV PIKDFEKQLN LTTEVDVDIY HMTVPYGRPR ILLKQHHVCL LQQQQLTGY SLDLLMPLWA SYTFLRNDQF SRDDFSNCLY QDLRIPLSPV HKCSYYKSNS KLSYGFLTPP RLNRVSNHIY SEALLTSNIV PMYQSFQVIW HYLHDTLLQR YAHERNGINV VSGPVDFDFY DGRYD
Sequence Length	906
Applicable Applications for ENPP1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Gly568–Asp789 (Accession # P06802) with two N-terminal Tags, His-tag and GST-tag
Subcellular Location	Cell membrane; Secreted . Single-pass type II membrane protein. Basolateral cell membrane.
Predicted isoelectric point	6.4
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and 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 of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.



Sequence

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GSH  GSLNHLKKP  IYNPSHPKEE  GFLSQCPIS
TSNDLGCTCD  PWIVPIKDFE  KQLNLTTEDV  DDIYHMTVPY  GRPRILLKQH
HVCLLQQQF  LTGYSLDLLM  PLWASYTFLR  NDQFSRDDFS  NCLYQDLRIP
LSPVHKCSYY  KSNKLSYGF  LTPPRLNRVS  NHIYSEALLT  SNIVPMYQSF
QVIWHYLHDT  LLQRYAHERN  GINVVSGPVF  DFDYDGRYD
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SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	23503085
NCBI GeneID	18605
UniProt Accession #	P06802; Q542E9; Q924C4
Molecular Weight	558.3kDa
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	Pca; tw; twy; M6S1; NPP1; Npps; PC-1; Ly-41; Pca-1; Pdnp1; C76301; CD203c; E-NPP1; A1428932; 4833416E15Rik
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 1; E-NPP 1; tiptoe walking; lymphocyte antigen 41; plasma-cell membrane glycoprotein PC-1; phosphodiesterase I/nucleotide pyrophosphatase 1; 1 ectonucleotide pyrophosphatase/phosphodiesterase 1
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1
UniProt Gene Name	Enpp1
UniProt Synonym Gene Names	Npps; Pc1; Pdnp1; E-NPP 1; Ly-41; NPPase
UniProt Entry Name	ENPP1_MOUSE

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.