

Proteoliposomes

Full-Length

ENPP1 (Human) Recombinant Protein

Catalog # H00005167-G01

Size 10 ug

Specification

Product Description

Human ENPP1 full-length ORF (NP_006199.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MDVGEEPLEKAARARTAKDPNTYKVLSLVLSVCVLTTILGCFGLKPSCAKEVKSCKGRCFERTF
GNCRCDAACVELGNCCLDYQETCIEPEHWTCNKFRCGEKRLTRSLCACSDDCCKDKGDCCINYS
SVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRAEYLHTWGGLLPVISKLKKCGTYTK
NMRPVYPTKTFPNHYSMTGLYPESHGIIDNKMYDPKMNASFSLKSKEKFNPEWYKGEPWVTAKY
QGLKSGTFFWPGSDVEINGIFPDYKMYNGSVPFEEILAVLQWLQLPKDERPHFYTYLEEDSS
GHSYGPVSSEVIKALQRVDGMV/GMLMDGLKELNLHRCNLILSDHGMEQGSCCKYYLNKYLGDV
KNIKVIYGPAARLRPSDVPDKYYSFNYEGIARNLSREPNQHFKPYLKHFLPKRLHFAKSDRIEPLT
FYLDPPQWQLALNPSEKRYCGSGFHGSDNVFSNMQALFVGYGPGFKHGIEADTFENIEVYNLMCD
LLNLTPAPNNGTHGSLNHLLKNPVYTPKHPKEVHPLVQCPFTRNPRDNLGCSCNPSILPIEDFQTQ
FNLTVAAEEKIHKHETLPYGRPRVLQKENTICLLSQHQFMSGYSQDILMPLWTSYTVDRNDSFSTEDF
SNCLYQDFRIPLSPVHKCSFYKNNTKVSYGFLSPPQLNKNSSGIYSEALLTNIVPMYQSFQVIWRY
FHDTLRLKYAEERNGVNVVSGPVDFDFDYDGRCDLENLRQKRRVIRNQEILIPTHFFVLTSCKDTS
QTPLHCENLDTLAFILPHRTDNSESCVHGKHDSSWVEELMLHRARITDVEHITGLSFYQQRKEPV
SDILKLKTHLPTFSQED

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

99.90000000000001

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — ENPP1

Entrez GeneID	5167
GeneBank Accession#	NM_006208.1
Protein Accession#	NP_006199.1
Gene Name	ENPP1
Gene Alias	M6S1, NPP1, NPPS, PC-1, PCA1, PDNP1
Gene Description	ectonucleotide pyrophosphatase/phosphodiesterase 1
Omim ID	125853 173335 208000 601665 602475
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (ENPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester bonds of nucleotides and nucleotide sugars and pyrophosphate bonds of nucleotides and nucleotide sugars. This protein may function to hydrolyze nucleoside 5' triphosphates to their corresponding monophosphates and may also hydrolyze diadenosine polyphosphates. Mutations in this gene have been associated with 'idiopathic' infantile arterial calcification, ossification of the posterior longitudinal ligament of the spine (OPLL), and insulin resistance. [provided by RefSeq]
Other Designations	Ly-41 antigen OTTHUMP00000043194 alkaline phosphodiesterase 1 membrane component, chromosome 6, surface marker 1 phosphodiesterase I nucleotide pyrophosphatase 1 plasma-cell membrane glycoprotein 1

Pathway

- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)
- [Pantothenate and CoA biosynthesis](#)

- [Purine metabolism](#)
- [Riboflavin metabolism](#)
- [Starch and sucrose metabolism](#)

Disease

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Aortic Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Chondrocalcinosis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Hepatitis C](#)

- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Proteinuria](#)
- [Psychotic Disorders](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Urinary Bladder Neoplasms](#)

- [Viremia](#)
- [Werner syndrome](#)