

Recombinant Full Length Human ENPP1 Protein

Cat. No. ENPP1-4318HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ENPP1 full-length ORF (NP_006199.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	290 amino acids
Description	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, Jul 2008]
Form	Liquid
Molecular Mass	99.9 kDa
AA Sequence	MDVGEEPLEKAARARTAKDPNTYKVLVLSVLCVLTITLGCIFGLKPSCAKEVKCKGR RCFERTFGNCRCDAAACVELGNCCLDYQETCIEPEHIWTCNKFRGCEKRLTRSLCAC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDDCKDKGDCCINYSSVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRA
EYLHTWGGLLPVISKLLKCGTYTKNMRPVYPTKTFPNHYSIVTGLYPESHGIIDNKMY
DPKMNASFSLKSKEKFNPEWYKGEPWVTAKYQGLKSGTFFWPGSDVEINGIFPDYI
KMYNGSVPFEERILAVLQWLQLPKDERPHFYTLYLEEPDSSGHSYGPVSSEVIKALQ
RVDGMVGMMLMDGLKELNLHRCLNLILISDHGMEQGSCCKYIYLNKYLGDVKNIKVIY
GPAARLRPSDVPDKYYSFNYEGIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIE
PLTFYLDPQWQLALNPSEKRYCGSGFHGSDNVFSNMQALFVGYPGFKHGIEADT
FENIEVYNLMCDLLNLTPAPNNGTHGSLNHLKPNVYTPKHPKEVHPLVQCPFTRNP
RDNLGCSNPSILPIEDFQTQFNLTVAEEKIHKHETLPYGRPRVLQKENTICLLSQHQF
MSGYSQDILMPLWTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSFYKNNTKV
SYGFLSPPQLNKNSSGIYSEALLTTNIVPMYQSFQVIWRYFHDTLLRKYAEERNGVN
VVSGPVFDFDYDGRCDLENLRQKRRVIRNQEILIPTHFFIVLTSCKDTSQTPLHCEN
LDTLAFILPHRTDNSESCVHGKHDSSWVEELLMLHRARITDVEHITGLSFYQQRKEP
VSDILKLKTHLPTFSQED

Applications

- Antibody Production
- Functional Study
- Compound Screening

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH 8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name ENPP1 ectonucleotide pyrophosphatase/phosphodiesterase 1 [Homo sapiens]

Official Symbol ENPP1

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Synonyms	ENPP1; ectonucleotide pyrophosphatase/phosphodiesterase 1; M6S1, NPPS, PDNP1; ectonucleotide pyrophosphatase/phosphodiesterase family member 1; PC 1; PCA1; E-NPP 1; Ly-41 antigen; alkaline phosphodiesterase 1; plasma-cell membrane glycoprotein 1; plasma-cell membrane glycoprotein PC-1; membrane component chromosome 6 surface marker 1; phosphodiesterase I/nucleotide pyrophosphatase 1; membrane component, chromosome 6, surface marker 1; M6S1; NPP1; NPPS; PC-1; ARHR2; PDNP1;
Gene ID	5167
mRNA Refseq	NM_006208
Protein Refseq	NP_006199
MIM	173335
UniProt ID	P22413