

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	<p>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]</p>
Form	Liquid
Molecular Mass	99.9 kDa
AA Sequence	MDVGEEPLEKAARARTAKDPNTYKVLVLSVLCVLTTLGCFGLKPSCAKEVKSCKG RCFERTFGNCRCDAAACVELGNCCLDYQETCIEPEHIWTCNKFRFCGEKRLTRSLCAC

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SDDCKDKGDCCINYSSVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRA
 EYLHTWGGLLPVISKLKKCGTYTKNMRPVYPTKTFPNHYSIVTGLYPESHGIIDNKMY
 DPKMNASFSLKSKEKFNPEWYKGEPIWVTAKYQGLKSGTFFWPGSDVEINGIFPDYI
 KMYNGSVPFEERILAVLQWLQLPKDERPHFYTYLYLEEDSSGHSYGPVSSEVIKALQ
 RVDGMVGMMLDGLKELNLHRCLNLILISDHGMEQGSCCKYIYLNKYLGDVKNIKVIY
 GPAARLRPSDVPDKYYSFNIEGIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIE
 PLTFYLDPQWQLALNPSEKCYCGSGFHGSDNVFSNMQUALFVGYGPGFKHGIEADT
 FENIEVYNLMCDLLNLTPAPNNGTHGSLNHLLKNPVYTPKHPKEVHPLVQCPFTRNP
 RDNLGCSCNPSILPIEDFQTQFNLTVAEEKIIKHETLPYGRPRVLQKENTICLLSQHQF
 MSGYSQDILMPLWTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSFYKNNTKV
 SYGFLSPPQLNKNSSGIYSEALLTTNIVPMYQSFQVIWRYFHDTLLRKYAEERNGVN
 VVSGPVDFDFDYDGRCDSELENLRQRRVIRNQEILIPTHFFIVLTSCKDTSQTPLHCEN
 LDTLAFILPHRTDNSESCVHGKHDSSWVEELMLHRARITDVEHITGLSFYQQRKEP
 VSDILKCLKTHLPTFSQED

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

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