

Recombinant Full Length Human ENPP1 Protein, GST-tagged

Cat. No. ENPP1-4319HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ENPP1 full-length ORF (NP_006199.1, 1 a.a. - 873 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	873 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]
Molecular Mass	126.3 kDa
AA Sequence	MDVGEEPLEKAARARTAKDPNTYKVLVLSVLCVLTTLGCFGLKPSCAKEVKSCKG RCFERTFGNCRCDAAACVELGNCCLDYQETCIEPEHIWTCNKFRCGEKRLTRSLCAC SDDCKDKGDCCINYSSVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRA

 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



EYLHTWGGLLPVISKLKKCGTYTKNMRPVYPTKTFPNHYSIVTGLYPESHGIIDNKMY
 DPKMNASFSLKSKEKFNPEWYKGEPIWVTAKYQGLKSGTFFWPGSDVEINGIFPDIY
 KMYNGSVPFEERILAVLQWLQLPKDERPHFYTLYLEEPDSSGHSYGPVSSEVIKALQ
 RVDGMVGMMLDGLKELNLHRCLNLILISDHGMEQGSGCKKIYILNKYLGDVKNIKVIY
 GPAARLRPSDVPDKYYSFNIEGIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIE
 PLTFYLDPQWQLALNPSEKCYGSGFHGSDNVFSNMQALFVGYGPGFKHGIEADT
 FENIEVYNLMCDLLNLTPAPNNGTHGSLNHLLKNPVYTPKHPKEVHPLVQCPFTRNP
 RDNLGCSCNPSILPIEDFQTQFNLTVAEEKIHKHETLPYGRPRVLQKENTICLLSQHQF
 MSGYSQDILMPLWTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSFYKNNTKV
 SYGFLSPPQLNKNSSGIYSEALLTTNIVPMYQSFQVIWRYFHDTLLRKYAEERNGVN
 VVSGPVDFDFDYDGRCDSELENLRQKRRVIRNQEILIPTHFFIVLTSCKDTSQTPLHCEN
 LDTLAFILPHRTDNSESCVHGKHDSSWVEELLMLHRARITDVEHITGLSFYQQRKEP
 VSDILKCLKTHLPTFSQED

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol ENPP1

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



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

 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