

Product datasheet for PH309222

ENPP1 (NM_006208) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ENPP1 MS Standard C13 and N15-labeled recombinant protein (NP_006199)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209222
Predicted MW:	99.9 kDa
Protein Sequence:	>RC209222 protein sequence Red=Cloning site Green=Tags(s)

MDVGEEPLEKAARARTAKDPNTYKVLVLSVCVLTITLGCIFGLKPSCAKEVKSCKGRCFERTFGNCRC
DAACVELGNCCLDYQETCIEPEHIWTCNKFRGCKEKLTRSLCACSDDCCKDKGDCCINYSVCQGEKSWVE
EPCESINEPQCPAGFETPPTLLFSLDGFRAEYLHTWGGLLPVISKLKKCGTYTKNMRPVYPTKTFPNHYS
IVTGLYPESHGII DNKMYDPKMNASFSLKSKEKFNPEWYKGEPIWVTAKYQGLKSGTFFWPGSDVEINGI
FPDIYKMYNGSVPFEERILAVLQWLQPKDERPHFYTLYLEEPDSSGHSYGPVSSEVIKALQRVDGMVGM
LMDGLKELNLHRCLNLIISDHGMEQGSCCKYIYLNKYLGDKVNIKVIYGPAAARLRPSDVPDKYYSFNYE
GIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIEPLTFYLDPQWQLALNPSEKCYCGSGFHGSDNVFS
NMQALFVGYGPGFKHGIEADTFENIEVYNLMCDLLNLTAPNNGTHGSLNHLKKNPVYTPKHPKEVHPLV
QCPFTRNPRDNLGCSCNPSILPIEDFQTQFNLTVAEEKI IKHETLPYGRPRVLQKENTICLLSQHQFMGS
YSQDILMPLWTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSFYKNNTKVSYGFLSPPQLNKNSSGI
YSEALLTNIIVPMYQSFQVIWRYFHDTLRLKYAEERNVNVVSGPVDFDYDGRCDSENLRQKRRVIRN
QEILIPTHFFIVLTSCKDTSQTPLHCENLDTLAFILPHRTDNSESCVHGKHDSSWVEELMLHRARITDV
EHITGLSFYQQRKEPVSDILKLLKTHLPTFSQED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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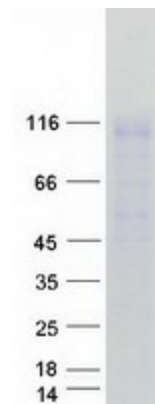
RefSeq:	NP_006199
RefSeq Size:	7442
RefSeq ORF:	2619
Synonyms:	ARHR2; COLED; M6S1; NPP1; NPPS; PC-1; PCA1; PDNP1
Locus ID:	5167
UniProt ID:	P22413
Cytogenetics:	6q23.2

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, Jul 2008]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism, Pantothenate and CoA biosynthesis, Purine metabolism, Riboflavin metabolism, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified ENPP1 protein (Cat# [TP309222]). The protein was produced from HEK293T cells transfected with ENPP1 cDNA clone (Cat# [RC209222]) using MegaTran 2.0 (Cat# [TT210002]).