

Product datasheet for **TP309222M**

ENPP1 (NM_006208) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209222 protein sequence Red =Cloning site Green =Tags(s)

MDVGEEPLEKAARARTAKDPNTYKVLVSLVLSVCLTTLTILGCIFGLKPSCAKEVKSCCKGRCFERTFGNCRC
DAACVELGNCCLDYQETCIEPEHIWTCNKFRGCEKRLTRSLCACSDDCDKGDCCINYSSVCQGEKSWVE
EPCESINEPQCPAGFETPPTLLFSLDGFRAEYLHTWGGLLPVISKLKCGTYKNMRPVYPTKTFPNHYS
IVTGLYPESHGIIDNKMYDPKMNASFSLKSKEKFNPEWYKGEPIWVTAKYQGLKSGTFFWPGSDVEINGI
FPDIYKMYNGSVPFEERILAVLQWLQLPKDERPHFYTLYLEEPDSSGHSYGPVSSEVIKALQRVDGMVGM
LMDGLKELNLHRCNLILISDHGMEQGSCKKIYLNKYLGDVKNIKVIYGAARLRPSDVPDKYYSFNYE
GIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIEPLTFYLDPQWQLALNPSEKCYCGSGFHGSDNVFS
NMQALFVGYGPGFKHGIEADTFENIEVYNLMCDLLNLTPAPNNGTHGSLNHLLKNPVYTPKHPKEVHPLV
QCPFTRNPRDNLGCSCNPSILPIEDFQTQFNLTVAEEKIHKHETLPYGRPRVLQKENTICLLSQHQFMSG
YSQDILMPLWTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSFYKNNTKVSYGFLSPPQLNKNSSGI
YSEALLTTNIVPMYQSFQVIWRYFHDTLLRKYAEERNGVNVVSGPVDFDYDGRCDLENLRQKRRVIRN
QEILIPTHFFIVLTSCKDTSQTPLHCENLDTLAFILPHRTDNSESCVHGKHDSSWVEELLMLHRARITDV
EHITGLSFYQQRKEPVS DILK LKTHLPTFSQED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

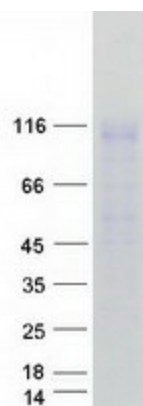
Tag:	C-Myc/DDK
Predicted MW:	99.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006199
Locus ID:	5167
UniProt ID:	P22413
RefSeq Size:	7442
Cytogenetics:	6q23.2
RefSeq ORF:	2619
Synonyms:	ARHR2; COLED; M6S1; NPP1; NPPS; PC-1; PCA1; PDNP1
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]).