

Product datasheet for **TP762708**

ENPP1 (NM_006208) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1), 548Tyr-798Asn, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (548Tyr-798Asn) of ENPP1
Tag:	N-His
Predicted MW:	31.5 kDa
Concentration:	>0.05 ug/ul as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25mM Tris, 150mM NaCl, 10% glycerol, pH8.0, 1% SKL
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products 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



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Summary:

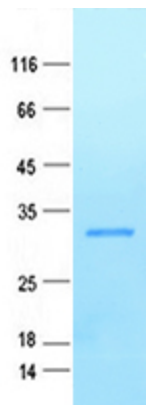
This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (ENPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester 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 #TP762708). The protein was produced from E.coli.