

# Recombinant Full Length Human ENPP1 Protein, Flag tagged

Cat. No. ENPP1-3365H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ENPP1 Protein with Flag tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-925 aa
<b>Description</b>	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.
<b>Form</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.
<b>Molecular Mass</b>	99.8 kDa
<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL

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<b>Purity</b>	>80% by SDS-PAGE
<b>Storage</b>	Store at -80 centigrade. Filtered to be used in vitro. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions
<b>Concentration</b>	0.17 mg/mL by Bradford

## GENE INFORMATION

<b>Gene Name</b>	ENPP1 ectonucleotide pyrophosphatase/phosphodiesterase 1 [ Homo sapiens ]
<b>Official Symbol</b>	ENPP1
<b>Synonyms</b>	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
<b>Gene ID</b>	5167
<b>mRNA Refseq</b>	NM_006208
<b>Protein Refseq</b>	NP_006199
<b>MIM</b>	173335
<b>UniProt ID</b>	P22413

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