

Recombinant Full Length Human ENPP1 Protein, Flag tagged

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

SPECIFICATION

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

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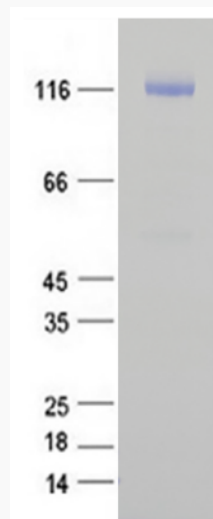
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Purity	>80% by SDS-PAGE
Storage	Store at -80 centigrade. Filtered to be used in vitro. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Stable for at least 1 year from receipt of products under proper storage and handling conditions
Concentration	0.17 mg/mL by Bradford
GENE INFORMATION	
Gene Name	ENPP1 ectonucleotide pyrophosphatase/phosphodiesterase 1 [Homo sapiens]
Official Symbol	ENPP1
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

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SDS-PAGE

Purified recombinant human ENPP1 protein was analyzed by Tricine-SDS-PAGE 4-20% gel, run with Tris-Glycine running buffer.

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