

Datasheet for ABIN7317548 **ENPP5 Protein (His tag)**



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Overview

Quantity:	100 µg
Target:	ENPP5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP5 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ENPP5 Protein (His Tag)
Sequence:	Met 1-Gly429
Characteristics:	A DNA sequence encoding the human ENPP5 (Q9UJA9) (Met1-Gly429) with a C-terminal polyhistidine tag was expressed.
Purity:	> 96 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ENPP5
Alternative Name:	ENPP5 (ENPP5 Products)
Background:	Background: ENPP5 is a member of the nucleotide pyrophosphatase/phosphodiesterase family(NPP). It is a family comprised by dimeric enzymes that catalyze the hydrolysis of phosphate diester bonds. There are seven isoforms in NPP family, some of which prefer

Target Details

nucleotide substrates, some of which prefer phospholipid substrates, and others of which prefer substrates that have not yet been determined. NPP also belongs to the alkaline phosphatase (AP) superfamily of enzymes and they are located in the cell membrane and hydrolyze extracellular phosphate diesters to affect a wide variety of biological processes. ENPP5 belongs to a group of nucleotidemetabolizing ectoenzymes, which regulate the availability of extracellular nucleotides. ENPP5 may play a role in neuronal cell communication. Hhowever, it lacks nucleotide pyrophosphatase and lysopholipase D activity. It may also be involved in neuronal cell communication. The amino acid sequence of human ENPP5 is 100 % , 88 % , and 82 % identical to that of chimpanzee, dog and mouse/rat. ENPP5 functions in phospholipid metabolism.

Synonym: NPP-5

Molecular Weight: 48.1 kDa

UniProt: [Q9UJA9](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.