



[Go to Product page](#)

## Datasheet for ABIN7194214 ENPP7 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	ENPP7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP7 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human ENPP7/NPP-7 Protein (His Tag)
Sequence:	Met 1-Ser 439
Characteristics:	A DNA sequence encoding the human ENPP7 (NP_848638.2) (Met 1-Ser 439) was fused with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	ENPP7
Alternative Name:	ENPP7/NPP-7 ( <a href="#">ENPP7 Products</a> )
Background:	Background: Ectonucleotide pyrophosphatase / phosphodiesterase family member 7, also known as Alkaline sphingomyelin phosphodiesterase, Intestinal alkaline sphingomyelinase, Alk-Smase, ENPP7 and NPP-7, is a single-pass type I membrane protein which belongs to

## Target Details

---

the nucleotide pyrophosphatase / phosphodiesterase family. ENPP7 / NPP-7 is expressed in the intestines and human bile. ENPP7 / NPP-7 is localized at the surface of the microvillar membrane in small intestine enterocytes, as well as in endosome-like structures and in Golgi complex. The main function of ENPP7 / NPP-7 is to convert the dietary sphingomyelin into ceramide, the sphingolipid messengers via hydrolyzation. ENPP7 / NPP-7 is also reported to exert a phospholipase C activity toward palmitoyl lyso-phosphocholine. The activity of this enzyme is inhibited in a dose dependent manner by ATP, imidazole, orthovanadate and zinc ion. Further, It has been shown in studies that decreased levels of ENPP7 / NPP-7 may be associated with human colon cancer.

Synonym: ALK-SMase;E-NPP7;NPP-7;NPP7

---

Molecular Weight: 49 kDa

---

NCBI Accession: [NP\\_848638](#)

## 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.