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# ENPP3 Protein (AA 46-874) (His tag)

2 Images



Go to Product page

#### Overview

Quantity:	100 μg
Target:	ENPP3
Protein Characteristics:	AA 46-874
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP3 protein is labelled with His tag.

#### **Product Details**

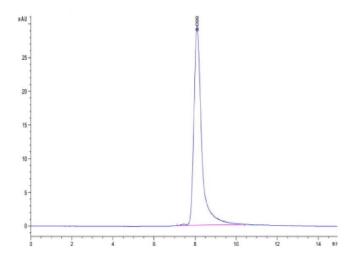
Purpose:	Canine ENPP-3 Protein
Sequence:	Arg46-Ile874
Characteristics:	Recombinant Canine ENPP-3 Protein is expressed from HEK293 with His tag at the N-Terminus.It contains Arg46-Ile874.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## **Target Details**

Target:	ENPP3
Alternative Name:	ENPP-3 (ENPP3 Products)

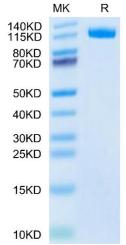
## **Target Details**

Background:	Ectonucleotide pyrophosphatase-phosphodiesterase 3 (ENPP3), a protein detected in the human uterus, has been found to play an important role in the development and invasion of tumours. It was recently discovered that ENPP3 was upregulated during the window of implantation in the human endometrium but its functional relevance remains elusive.
Molecular Weight:	96.19 kDa. Due to glycosylation, the protein migrates to 110-130 kDa based on Tris-Bis PAGE result.
UniProt:	A0A8I3N0F5
Pathways:	Regulation of Muscle Cell Differentiation, Negative Regulation of Transporter Activity
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



# Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Canine ENPP-3 is greater than 95 % as determined by SEC-HPLC.



#### **SDS-PAGE**

Image 2. Canine ENPP-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.