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Datasheet for ABIN7274539

ENPP3 Protein (AA 48-875) (His-Avi Tag,Biotin)

2 Images

Overview

Quantity:	100 µg
Target:	ENPP3
Protein Characteristics:	AA 48-875
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP3 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human ENPP-3 Protein
Sequence:	Leu48-Ile875
Characteristics:	Recombinant Biotinylated Human ENPP-3 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus.It contains Leu48-Ile875.
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:	99.97 kDa. Due to glycosylation, the protein migrates to 110-130 kDa based on Tris-Bis PAGE result.
UniProt:	O14638
Pathways:	Regulation of Muscle Cell Differentiation , Negative Regulation of Transporter Activity

Application Details

Restrictions:	For Research Use only
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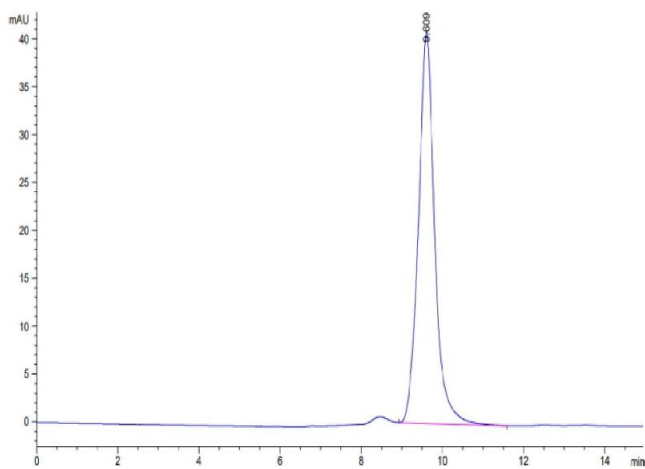
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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



SDS-PAGE

Image 1. Biotinylated Human ENPP-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human ENPP-3 is greater than 95 % as determined by SEC-HPLC.