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Datasheet for ABIN7274543

ENPP2 Protein (AA 49-862) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	ENPP2
Protein Characteristics:	AA 49-862
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP2 protein is labelled with His tag.

Product Details

Purpose:	Mouse ENPP-2/Autotaxin Protein
Sequence:	Ser49-Ile862
Characteristics:	Recombinant Mouse ENPP-2/Autotaxin Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ser49-Ile862.
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:	ENPP2
Alternative Name:	ENPP-2 (ENPP2 Products)

Target Details

Background: Ectonucleotide pyrophosphatase/phosphodiesterase 2 (ENPP2) also known as Autotaxin, is a secreted lysophospholipase D, which hydrolyzes lysophosphatidylcholine (LPC) into Lysophosphatidic acid (LPA). ENPP2 is an essential protein for normal development and its altered expression is associated with various human diseases.

Molecular Weight: 94.7 kDa. Due to glycosylation, the protein migrates to 95-110 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

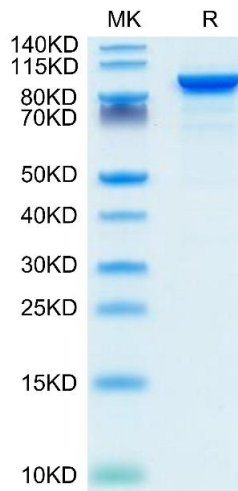
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

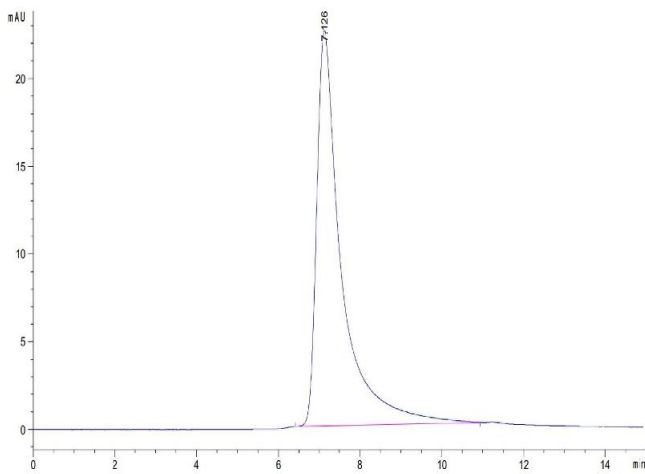
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse ENPP-2/Autotaxin 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 Mouse ENPP-2/Autotaxin is greater than 95 % as determined by SEC-HPLC.