Datasheet for ABIN7275464

Phospholipase D4 Protein (PLD4) (AA 52-506) (His tag)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Phospholipase D4 (PLD4)
Protein Characteristics:	AA 52-506
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phospholipase D4 protein is labelled with His tag.

Product Details

Purpose:	Human PLD4 Protein
Sequence:	Trp52-Gly506
Characteristics:	Recombinant Human PLD4 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Trp52-Gly506.
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:	Phospholipase D4 (PLD4)
Alternative Name:	PLD4 (PLD4 Products)

Target Details

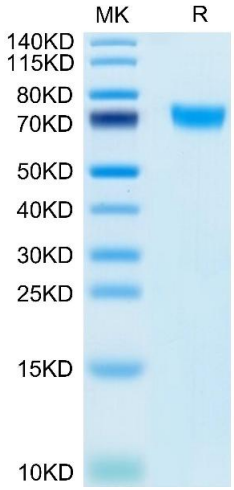
Background:	Phospholipase D4 (PLD4) is a newly identified protein expressed in microglia. the expression of PLD4 was located in macrophages in the colon cancer mesenchymal and lymph nodes as shown by immunohistochemical analysis. furthermore, its expression was associated with clinical staging of colon cancer. Then, THP-1 as a cell model induced into TAMs. PLD4 could be involved in the activation process of M1 phenotype macrophages.
Molecular Weight:	51.1 kDa. Due to glycosylation, the protein migrates to 68-75 kDa based on Tris-Bis PAGE result.
UniProt:	Q96BZ4

Application Details

Restrictions:	For Research Use only

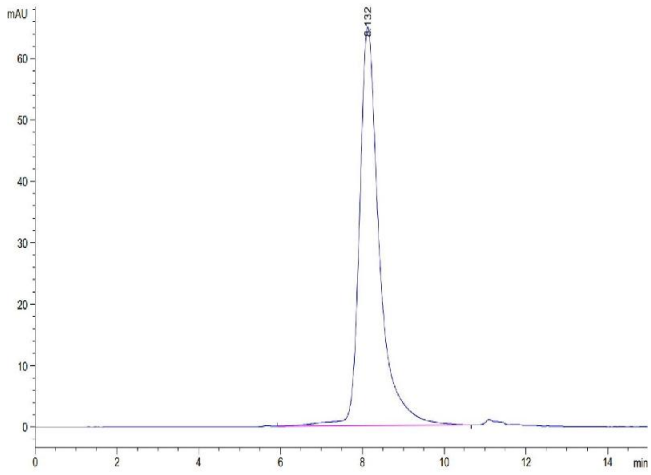
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 50 mM MES, 100 mM NaCl (pH 6.0).
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM MES, 100 mM NaCl (pH 6.0). 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. Human PLD4 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 Human PLD4 is greater than 95 % as determined by SEC-HPLC.