

Datasheet for ABIN7550830
PLD3 Protein (AA 1-490) (His tag)



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Overview

Quantity:	1 mg
Target:	PLD3
Protein Characteristics:	AA 1-490
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLD3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PLD3 Protein expressed in mammalian cells.
Sequence:	<p>MKPKLMYQEL KVPAAEPANE LPMNEIEAWK AAEKKARWVL LVLILAVVGF GALMTQLFLW EYGDHLHFGP NQRPAPCYDP CEAVLVESIP EGLDFPNAST GNPSTSQAWL GLLAGAHSSL DIASFYWTLT NNDTHTQEPS AQQGEEVLRQ LQTLAPKGVN VRIAVSKPSG PQQADLQAL LQSGAQVRMV DMQKLTHGVL HTKFWVVDQT HFYLG SANMD WRSLTQVKEL GVVMYNCACL ARDLTKIFEA YWFLGQAGSS IPSTWPRFYD TRYNQETPME ICLNGTPALA YLASAPPPLC PSGRTPDLKA LLNVVDNARS FIYVAVMNYL PTLEFSHPHR FWPAIDDLGLR RATYERGVKV RLDISCWGHS EPSMRAFLLS LAALRDNHTH SDIQVKLFVV PADEAQRIP YARVNH NKYM VTERATYIGT SNWSGNYFTE TAGTSLLVTQ NGRGGLRSQL EAIFLRDWDS PYSHDLDTSA DSVGNACRL</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PLD3

Alternative Name:

PLD3 ([PLD3 Products](#))

Background:

5'-3' exonuclease PLD3 (EC 3.1.16.1) (Choline phosphatase 3) (HindIII K4L homolog) (Hu-K4) (Phosphatidylcholine-hydrolyzing phospholipase D3) (Phospholipase D3) (PLD 3), FUNCTION: 5'->3' DNA exonuclease which digests single-stranded DNA (ssDNA) (PubMed:30312375). Regulates inflammatory cytokine responses via the degradation of nucleic acids, by reducing the concentration of ssDNA able to stimulate TLR9, a nucleotide-sensing receptor in collaboration with PLD4 (By similarity). May be important in myotube formation (PubMed:22428023). Plays a role in lysosomal homeostasis (PubMed:28128235). Involved in the regulation of endosomal protein sorting (PubMed:29368044). {ECO:0000250|UniProtKB:O35405, ECO:0000269|PubMed:22428023, ECO:0000269|PubMed:28128235, ECO:0000269|PubMed:29368044, ECO:0000269|PubMed:30312375}.

Molecular Weight:

54.7 kDa

UniProt:

[Q8IV08](#)

Target Details

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months