

Datasheet for ABIN7554994
PLD1 Protein (AA 1-1074) (His tag)



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Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | PLD1 |
| Protein Characteristics: | AA 1-1074 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PLD1 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat PLD1 Protein expressed in mammalien cells. |
| Sequence: | <p>MSLKNEPRVN TSALQKIAAD MSNIENLDT RELHFEGEEV DYDVSPSPDK IQEVYIPFSA IYNTQGFKEP NIQTYLSGCP IKAQVLEVER FTSTTRVPSI NLYTIELTHG EFKWQVKKRF KHFQEFHREL LKYKAFIRIP IPTRRHTFRR QNVREEPREM PSLPRSENEM IREEQFLGRR KQLEDYLTKI LKMPMYRNYH ATTEFLDISQ LSFHDLGPK GIEGMIMKRS GGHRIPGLNC CGQGRACYRW SKRWLIVKDS FLLYMKPDSG AIAFVLLVVK EFKIKVGKKE TETKYGIRID NLSRTLILKC NSYRHARWWG GAIEEFIQKH GTNFLKDHRF GSYAAIQENA LAKWYVNAKG YFEDVANAME EANEEIFITD WWLSPEIFLK RPVVEGNRWR LDCILKRKAQ QGVRIFIMLY KEVELALGIN SEYTKRTLMLR LHPNIKVMRH PDHVSSTVYL WAHHEKLVII DQSVAFVGGI DLAYGRWDDN EHRLTDVGSV KRVTSGPSLG SLPPAAMESM ESLRLKDKNE PVQNLPIQKS IDVDVSKLKG IGKPRKFSKF SLYKQLHRHH LHDADSISSI DSTSSYFNHY RSHHNLIHGL KPHFKLFHPS SESEQGLTRP HADTGSIRSL QTGVGELHGE TRFWHGKDYC NFVFKDWWQL</p> |

Product Details

DKPFADFIDR YSTPRMPWHD IASAVHGKAA RDVARHFIQR WNFTKIMKSK YRSLSYFLL
PKSQTTAHEL RYQVPGSVHA NVQLLRSAAD WSAGIKYHEE SIHAAYVHVI ENSRHYYIE
NQFFISCADD KVVFNKIGDA IAQRILKAHR ENQKYRVYVW IPLLPGFEGD ISTGGGNALQ
AIMHFNYRTM CRGENSILGQ LKAELGNQWI NYISFCGLRT HAELEGNLVT ELIYVHSKLL
IADDNTVIIG SANINDRSML GKRDSEMAVI VQDTETVPSV MDGKEYQAGR FARGRLQCF
RVVLGYLDDP SEDIQDPVSD KFFKEVWVST AARNATIYDK VFRCLPNDEV HNLIQLRDFI
NKPVLAKEDP IRAEEELKKI RGFLVQFPFY FLSEESLLPS VGTKEAIVPM EVWT **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.**

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:

PLD1

Alternative Name:

PLD1 ([PLD1 Products](#))

Background:

Phospholipase D1 (PLD 1) (hPLD1) (EC 3.1.4.4) (Choline phosphatase 1) (Phosphatidylcholine-hydrolyzing phospholipase D1),FUNCTION: Function as phospholipase selective for phosphatidylcholine (PubMed:8530346, PubMed:9582313, PubMed:25936805). Implicated as a

Target Details

critical step in numerous cellular pathways, including signal transduction, membrane trafficking, and the regulation of mitosis. May be involved in the regulation of perinuclear intravesicular membrane traffic (By similarity). {ECO:0000250|UniProtKB:Q9Z280, ECO:0000269|PubMed:25936805, ECO:0000269|PubMed:8530346, ECO:0000269|PubMed:9582313}.

Molecular Weight: 124.2 kDa

UniProt: [Q13393](#)

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