

Datasheet for ABIN7554410
LCLAT1 Protein (AA 1-414) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	LCLAT1
Protein Characteristics:	AA 1-414
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LCLAT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LCLAT1 Protein expressed in mammalian cells.
Sequence:	MHSRGREIVV LLNPWSINEA VSSYCTYFIK QDSKSFGIMV SWKGIYFILT LFWGSFFGSI FMLSPFLPLM FVNPSWYRWI NNRLVATWLT LPVALLETMF GVKVIITGDA FVPGERSVII MNRHTRMDWM FLWNCLMRY S YLRLEKICKL ASLKGVPFGF WAMQAAAYIF IHRKWKDDKS HFEDMIDYFC DIHEPLQLLI FPEGTDLTEN SKSRSNAFAE KNGLQKYEYV LHPRTTGFTF VVDRLREGKN LDAVHDITVA YPHNIPQSEK HLLQGDFPRE IHFHVHRYPI DTLPTSKEDL QLWCHKRWEE KEERLRSFYQ GEKNFYFTGQ SVIPPCKSEL RVLVVKLLSI LYWTLFSPAM CLLIYLYSLV KWYFIITIVI FVLQERIFGG LEIIEACYSR LLHKQPHLNS KKNE 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

LCLAT1

Alternative Name:

LCLAT1 ([LCLAT1 Products](#))

Background:

Lysocardioliipin acyltransferase 1 (EC 2.3.1.-) (1-acylglycerol-3-phosphate O-acyltransferase 8) (1-AGP acyltransferase 8) (1-AGPAT 8) (EC 2.3.1.51) (Acyl-CoA:lysocardioliipin acyltransferase 1),FUNCTION: Exhibits acyl-CoA:lysocardioliipin acyltransferase (ALCAT) activity, catalyzes the reacylation of lyso-cardiolipin to cardiolipin (CL), a key step in CL remodeling (By similarity). Recognizes both monolysocardioliipin and dilysocardioliipin as substrates with a preference for linoleoyl-CoA and oleoyl-CoA as acyl donors (By similarity). Also exhibits 1-acyl-sn-glycerol-3-phosphate acyltransferase activity (AGPAT) activity, converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone (PubMed:16620771). Possesses both lysophosphatidylinositol acyltransferase (LPIAT) and lysophosphatidylglycerol acyltransferase (LPGAT) activities (PubMed:19075029). Required for establishment of the hematopoietic and endothelial lineages (By similarity). {ECO:0000250|UniProtKB:Q3UN02, ECO:0000269|PubMed:16620771,

Target Details

ECO:0000269|PubMed:19075029}.

Molecular Weight: 48.9 kDa

UniProt: [Q6UWP7](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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