

Product datasheet

Recombinant Human LPCAT-2 protein ab162907

1 Image

Overview

Product name Recombinant Human LPCAT-2 protein
Protein length Full length protein

Description

Nature Recombinant
Source Wheat germ
Amino Acid Sequence
Species Human

Sequence

```
MSRCAQAAEVAATVPGAGVGNVGLRPPMVPRQASF
FPPPVPNPFVQQTQI
GSARRVQVLLGIILLPIRVLLVALILLWPFAAISTVCCP
EKLTHPIT
GWRRKITQTALKFLGRAMFFSMGFVAVKKGKIASPLEA
PVFVAAPHSTFF
DGIACVVAGLPSMVSRENNAQVPLIGRLLRAVQPVLV
SRVDPDSRKNTIN
EIKRTTSGGEWPQILVFPEGTCNRSCLITFKPGAFIPG
VPVQPVLLRY
PNKLDTVTWTWQGYTFIQLCMLTFCQLFTKVEVEFMP
VQVPNDEEKNDPV
LFANKVRNLMAEALGIPVTDHTYEDCRLMISAGQLTLP
MEAGLVEFTKIS
RKLKLDWDGVRKHLDEYASIASSSKGGRIIEEFAKYL
KLPVSDVLRQLF
ALFDRNHGSDIFREYVIGLAVLCNPSNTEEIQVAFKLF
DVDEDEGYITE
EEFSTILQASLGVPDLVDVSGLFKEIAQGDSISYEEFKSF
ALKHPEYAKIF
TTYLDLQTCHVFSLPKEVQTPSTASNKVSPEKHEEST
SDKKDD
```

Amino acids 1 to 544
Tags proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab162907** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Previously labelled as Acyltransferase like 1.

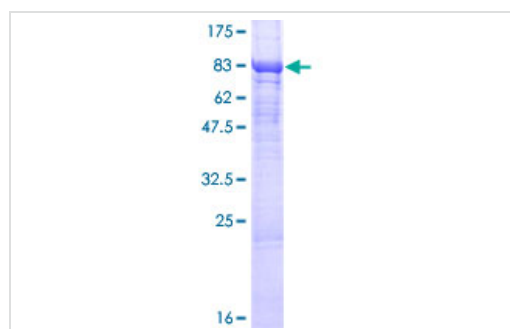
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
------------------------------	--

General Info

Function	Possesses both acyltransferase and acetyltransferase activities. Activity is calcium-dependent. Involved in platelet-activating factor (PAF) biosynthesis by catalyzing the conversion of the PAF precursor, 1-O-alkyl-sn-glycero-3-phosphocholine (lyso-PAF) into 1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine (PAF). Also converts lyso-PAF to 1-alkyl-phosphatidylcholine (PC), a major component of cell membranes and a PAF precursor. Under resting conditions, acyltransferase activity is preferred. Upon acute inflammatory stimulus, acetyltransferase activity is enhanced and PAF synthesis increases.
Pathway	Lipid metabolism; phospholipid metabolism.
Sequence similarities	Belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family. Contains 2 EF-hand domains.
Domain	The HXXXXD motif is essential for acyltransferase activity.
Cellular localization	Endoplasmic reticulum membrane. Golgi apparatus membrane.

Images



ab162907 on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human LPCAT-2 protein
(ab162907)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors