

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 GSARRVQVLLGILLPIRVLLVALILLLAWPFAAISTVCCP EKLTHPIT GWRRKITQTALKFLGRAMFFSMGFVAVKGGKIASPLEA PVFVAAPHSTFF DGIACVVAGLPSMVSRENENAVPLIGRLLRAVQPVLV SRVDPDSRKNTIN EIIKRTTSGGEWPQILVFPEGTCTNRSCLITFKPGAFIPG VPVQPVLLRY PNKLDTVTWTWQGYTFIQLCMLTFCQLFTKVEVEFMP VQVPNDEEKNDPV LFANKVRNLMAEALGIPVTDHTYEDCRLMISAGQLTLP MEAGLVEFTKIS RKLKLDWDGVRKHLDEYASIASSSKGGRIGIEEFAKYL KLPVSDVLRQLF ALFDRNHDGSIDFREYVIGLAVLCNPSNTEEIIQVAFKLF DVDEDEGYTE EEFSTILQASLGVPDLDVSGLFKEIAQGDSISYEEFKSF 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. |

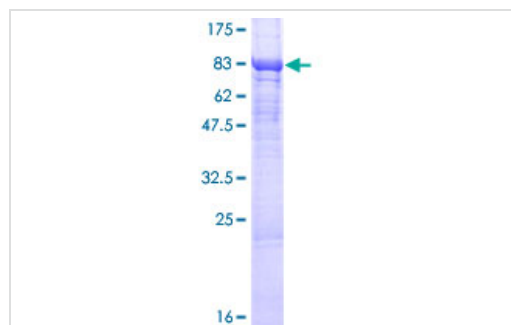
Preparation and Storage

| | |
|------------------------------|--|
| 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)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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