

## Recombinant Human LPCAT2 protein, GST-tagged

Cat. No. LPCAT2-1886H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human LPCAT2 protein(340-544 aa), fused with N-terminal GST tag, was expressed in E.coli.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 340-544 aa   |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | EAGLVEFTKISRKLKLDWDGVRKHLDEYASIASSSKGGRIIEEFAKYLKLPVSDVLR<br>QLFALFDRNHDGSIDFREYVIGLAVLCNPSNTEEIIQVAFKLFVDVDEGDYITEEEFSTIL<br>QASLGVPDLVSGLFKEIAQGDSISYEEFKSFALKHPEYAKIFTTYLDLQTCHVFSLPK<br>EVQTTTPSTASNKVSPEKHEESTSDKKDD  |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.   |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.  |

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

**Gene Name**

LPCAT2 lysophosphatidylcholine acyltransferase 2 [ Homo sapiens ]

**Official Symbol**

LPCAT2

**Synonyms**

LPCAT2; lysophosphatidylcholine acyltransferase 2; acyltransferase like 1 , AYTL1; FLJ20481; LPCAT-2; LPC acyltransferase 2; acyltransferase like 1; acyltransferase-like 1; lysoPC acyltransferase 2; lyso-PAF acetyltransferase; acetyl-CoA:lyso-PAF acetyltransferase; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; acyl-CoA:lysophosphatidylcholine acyltransferase 2; lyso-platelet-activating factor (PAF) acetyltransferase; acetyl-CoA:lyso-platelet-activating factor acetyltransferase; AYTL1; LysoPAFAT; DKFZp686H22112;

**Gene ID**

54947

**mRNA Refseq**

NM\_017839

**Protein Refseq**

NP\_060309

**MIM**

612040

**UniProt ID**

Q7L5N7

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SDS-PAGE



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