

## Recombinant Human LPCAT2 protein, GST-tagged

**Cat. No.** LPCAT2-621H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human LPCAT2 protein(161-544 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 161-544 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>       | PSMVSRNENAQVPLIGRLLRAVQPVLVSRVDPDSRKNTINEIHKRTTSGGEWPQILVF<br>PEGTCTNRSLITFKPGAFIPGVPVQPVLLRYPNKLDTVTWTWQGYTFIQLCMLTFC<br>QLFTKVEVEFMPVQVPNDEEKNDPVLFAKVRNLMAEALGIPVTDHTYEDCRLMISA<br>GQLTLPMEAGLVEFTKISRKLKLDWDGVRKHLDEYASIASSSKGGRIIEEFAKYLLK<br>PVSDVLRQLFALFDRNHDGSIDFREYVIGLAVLCNPSNTEEIIVAFKLFDVDEDDGYIT<br>EEEFSTILQASLGVPDLVDVSGLFKEIAQGDSISYEEFKSFALKHPEYAKIFTTYLDLQT<br>CHVFSLPKEVQTTTPSTASNKVSPEKHEESTSDKKDD |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                                                |

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| <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.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution</b>   | 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.                                                                                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | LPCAT2 lysophosphatidylcholine acyltransferase 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | LPCAT2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 54947                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_017839                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_060309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>              | 612040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

UniProt ID

Q7L5N7

SDS-PAGE

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