

## Recombinant Rat Lpcat2 Protein, His&GST-tagged

**Cat. No.** Lpcat2-1744R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Recombinant Rat Lpcat2 Protein (Met1-Val300) with N-His&GST tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Met1-Val300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Predicted to enable 1-acylglycerol-3-phosphate O-acyltransferase activity; 1-acylglycerophosphocholine O-acyltransferase activity; and 1-alkylglycerophosphocholine O-acetyltransferase activity. Predicted to be involved in membrane organization; phosphatidylcholine acyl-chain remodeling; and platelet activating factor biosynthetic process. Predicted to be located in Golgi stack; endoplasmic reticulum membrane; and lipid droplet. Orthologous to human LPCAT2 (lysophosphatidylcholine acyltransferase 2). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 63 kDa<br>Accurate Molecular Mass: 63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.                                                                            |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | <a href="#">Lpcat2 lysophosphatidylcholine acyltransferase 2 [ Rattus norvegicus (Norway rat) ]</a>                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | <a href="#">Lpcat2</a>                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | LPCAT2; lysophosphatidylcholine acyltransferase 2; LPCAT-2; lysoPAFAT; LPC acyltransferase 2; acyltransferase-like 1; acyltransferase-like 1-A; lysoPC acyltransferase 2; lyso-PAF acetyltransferase; acetyl-CoA:lyso-PAF acetyltransferase; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; acetyl-CoA:lyso-platelet-activating factor acetyltransferase; RGD1563994; |
| <b>Gene ID</b>          | <a href="#">100359680</a>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | <a href="#">NM_001271344</a>                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | <a href="#">NP_001258273</a>                                                                                                                                                                                                                                                                                                                                                                                            |

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UniProt ID

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