

Recombinant Rat Lpcat2 Protein, His&GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Lpcat2 Protein (Met1-Val300) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Val300
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 63 kDa Accurate Molecular Mass: 63 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Lpcat2 lysophosphatidylcholine acyltransferase 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Lpcat2
Synonyms	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;
Gene ID	100359680
mRNA Refseq	NM_001271344
Protein Refseq	NP_001258273

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UniProt ID

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