

Recombinant Mouse Lpcat2 Protein, His&GST-tagged

Cat. No. Lpcat2-1743M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lpcat2 Protein (Met1-Val300) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Val300
Description	Enables 1-acylglycerophosphocholine O-acyltransferase activity and 1-alkylglycerophosphocholine O-acetyltransferase activity. Involved in membrane organization and platelet activating factor biosynthetic process. Located in Golgi stack; endoplasmic reticulum; and membrane. Orthologous to human LPCAT2 (lysophosphatidylcholine acyltransferase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 63.0 kDa Accurate Molecular Mass: 63 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

 Tel: 1-631-559-9269 1-516-512-3133

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

[Lpcat2 lysophosphatidylcholine acyltransferase 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Lpcat2](#)

Synonyms

LPCAT2; lysophosphatidylcholine acyltransferase 2; LPCAT-2; lysoPAFAT; lysoPAFAT/LPCAT2; LPC acyltransferase 2; acyltransferase like 1; acyltransferase-like 1; acyltransferase like 1A; lysoPC acyltransferase 2; lyso-PAF acetyltransferase; acetyl-CoA:lyso-PAF acetyltransferase; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; acyl-CoA:lysophosphatidylcholine acyltransferase member 1; acetyl-CoA:lyso-platelet-activating factor acetyltransferase; Ayt11; Ayt11a; lpafat1; A330042H22;

Gene ID

[270084](#)

mRNA Refseq

[NM_173014](#)

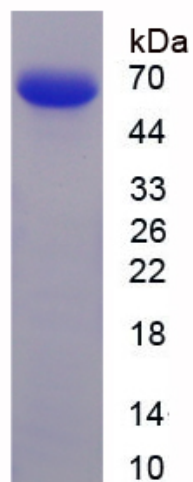
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Protein Refseq NP_766602

UniProt ID Q8BYI6



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