

Recombinant Human LPCAT2 293 Cell Lysate

Cat. No. LPCAT2-4671HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for lysophosphatidylcholine acyltransferase 2 (LPCAT2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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](#)

Chromosome Location 16q12.2

Pathway [Ether lipid metabolism, organism-specific biosystem](#); [Ether lipid metabolism,](#)

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conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem;
Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways,
organism-specific biosystem;

Function

1-acylglycerophosphocholine O-acyltransferase activity; 1-
alkylglycerophosphocholine O-acetyltransferase activity; calcium ion binding;
transferase activity, transferring acyl groups;

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