

Recombinant Human LPCAT1 Protein, His-tagged

Cat. No. LPCAT1-516H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LPCAT1(Pro70~Arg237) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro70~Arg237
Description	This gene encodes a member of the 1-acyl-sn-glycerol-3-phosphate acyltransferase family of proteins. The encoded enzyme plays a role in phospholipid metabolism, specifically in the conversion of lysophosphatidylcholine to phosphatidylcholine in the presence of acyl-CoA. This process is important in the synthesis of lung surfactant and platelet-activating factor (PAF). Elevated expression of this gene may contribute to the progression of oral squamous cell, prostate, breast, and other human cancers.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	78.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 92%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

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.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

[LPCAT1 lysophosphatidylcholine acyltransferase 1 \[Homo sapiens \]](#)

Official Symbol

[LPCAT1](#)

Synonyms

LPCAT1; lysophosphatidylcholine acyltransferase 1; acyltransferase like 2 , AYTL2; FLJ12443; LPCAT-1; lysoPAFAT; LPC acyltransferase 1; acyltransferase like 2; acyltransferase-like 2; lysoPC acyltransferase 1; lyso-PAF acetyltransferase; regulated by phosphonoformate; acetyl-CoA:lyso-PAF acetyltransferase; phosphonoformate immuno-associated protein 3; 1-acylglycerophosphocholine O-acyltransferase; 1-alkylglycerophosphocholine O-acetyltransferase; acyl-CoA:lysophosphatidylcholine acyltransferase 1; acetyl-CoA:lyso-platelet-activating factor acetyltransferase; AYTL2; lpcat; PFAAP3; FLJ41609;

Gene ID

[79888](#)

mRNA Refseq

[NM_024830](#)

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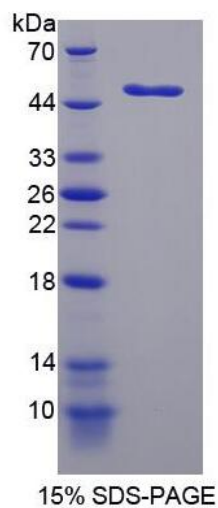
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Protein Refseq NP_079106

MIM 610472

UniProt ID Q8NF37



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