Recombinant Full Length Human LPCAT2 Protein, GST-tagged

Cat. No. LPCAT2-5985HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LPCAT2 full-length ORF (NP_060309.2, 1 a.a. - 544 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	544 amino acids
Description	This gene encodes a member of the lysophospholipid acyltransferase family. The enc oded enzyme may function in two ways: to catalyze the biosynthesis of platelet-activa ting factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) from 1-O-alkyl-sn-glycer o-3-phosphocholine, and to catalyze the synthesis of glycerophospholipid precursors f rom arachidonyl-CoA and lysophosphatidylcholine. The encoded protein may function in membrane biogenesis and production of platelet-activating factor in inflammatory c ells. The enzyme may localize to the endoplasmic reticulum and the Golgi. [provided by RefSeq
Molecular Mass	86.6 kDa
AA Sequence	MSRCAQAAEVAATVPGAGVGNVGLRPPMVPRQASFFPPPVPNPFVQQTQIGSARR VQIVLLGIILLPIRVLLVALILLLAWPFAAISTVCCPEKLTHPITGWRRKITQTALKFLGRA MFFSMGFIVAVKGKIASPLEAPVFVAAPHSTFFDGIACVVAGLPSMVSRNENAQVPLI GRLLRAVQPVLVSRVDPDSRKNTINEIIKRTTSGGEWPQILVFPEGTCTNRSCLITFK PGAFIPGVPVQPVLLRYPNKLDTVTWTWQGYTFIQLCMLTFCQLFTKVEVEFMPVQV

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	PNDEEKNDPVLFANKVRNLMAEALGIPVTDHTYEDCRLMISAGQLTLPMEAGLVEFT KISRKLKLDWDGVRKHLDEYASIASSSKGGRIGIEEFAKYLKLPVSDVLRQLFALFDR NHDGSIDFREYVIGLAVLCNPSNTEEIIQVAFKLFDVDEDGYITEEEFSTILQASLGVP DLDVSGLFKEIAQGDSISYEEFKSFALKHPEYAKIFTTYLDLQTCHVFSLPKEVQTTPS TASNKVSPEKHEESTSDKKDD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;

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Gene ID	54947
mRNA Refseq	NM_017839
Protein Refseq	NP_060309
MIM	612040
UniProt ID	Q7L5N7

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