

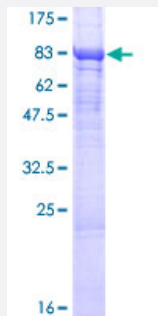
Full-Length

LPCAT2 (Human) Recombinant Protein (P01)

Catalog # H00054947-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LPCAT2 full-length ORF (NP_060309.2, 1 a.a. - 544 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSRCAQAAEVAATVPGAGVGNVGLRPPMVPRQASFFPPPVPNPFVQQTQIGSARRVQIVLLGIIL
LPIRVLLVALILLAWPFAAISTVCCPEKLTHPITGWRRKITQTALKFLGRAMFFSMGFVAVKGKIAS
PLEAPVFVAAPHSTFFDGIACVVAGLPSMVSRENAAQVPLIGRLLRAVQPVLVSRVDPDSRKNTI
NEIHKRTTSGGEWPQILVFPEGTCTNRSLITFKPGAFIPGVPVQPVLLRYPNKLDTVTTWQGYTFI
QLCMLTFCQLFTKVEVEFMPVQVPNDEEKNDPVLFAKVRNLMAEALGIPVTDHTYEDCRLMISA
GQLTLPMEAGLVEFTKISRKLKLDWDGVRKHLDEYASISSKGGIGIEEFAKYLKLPVSDVLRQ
LFALFDRNHDGSIDFREYVIGLAVLCNPSNTEEIQVAFKLFVDVDEDDGYTEEEFSTILQASLGVPDL
DVSGLFKEIAQGDSISYEFEKSFALKHPEYAKIFTTYLDLQTCHVFSLPKEVQTTTPSTASNKVSPEK
HEESTSDKKDD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

86.6

Interspecies Antigen Sequence

Mouse (88); Rat (89)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LPCAT2

Entrez GeneID	54947
GeneBank Accession#	NM_017839.3
Protein Accession#	NP_060309.2
Gene Name	LPCAT2
Gene Alias	AYTL1, DKFZp686H22112, FLJ20481, LysoPAFAT
Gene Description	lysophosphatidylcholine acyltransferase 2
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the lysophospholipid acyltransferase family. The encoded enzyme may function in two ways: to catalyze the biosynthesis of platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) from 1-O-alkyl-sn-glycero-3-phosphocholine, and to catalyze the synthesis of glycerophospholipid precursors from arachidonyl-CoA and lysophosphatidylcholine. The encoded protein may function in membrane biogenesis and production of platelet-activating factor in inflammatory cells. The enzyme may localize to the endoplasmic reticulum and the Golgi. [provided by RefSeq]
Other Designations	acyl-CoA:lysophosphatidylcholine acyltransferase 2 acyltransferase like 1 lyso-platelet-activating factor (PAF) acetyltransferase

Disease

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