

Recombinant Human LPCAT2 protein, GST-tagged

Cat. No. LPCAT2-621H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LPCAT2 protein(161-544 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	161-544 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	PSMVSRNENAQVPLIGRLLRAVQPVLVSRVDPDSRKNTINEIHKRTTSGGEWPQILVF PEGTCTNRSLITFKPGAFIPGVPVQPVLLRYPNKLDTVTWTWQGYTFIQLCMLTFC QLFTKVEVEFMPVQVPNDEEKNDPVLFANKVRNLMAEALGIPVTDHTYEDCRLMISA GQLTLPMEAGLVEFTKISRKLKLDWDGVRKHLDEYASIASSSKGGRIIEEFAKYLLK PVSDVLRQLFALFDRNHGSDIFREYVIGLAVLCNPSNTEEIIQVAFKLFVDVDEGGYIT EEEFSTILQASLGVPDLVDVSGLFKEIAQGDSISYEEFKSFALKHPEYAKIFTTYLDLQT CHVFSLPKEVQTTTPSTASNKVSPEKHEESTSDKKDD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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

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UniProt ID

Q7L5N7

SDS-PAGE



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