

Recombinant Human LPCAT4, His-tagged

Cat. No. LPCAT4-623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LPCAT4 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	175-524aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	LPCAT4 lysophosphatidylcholine acyltransferase 4 [Homo sapiens]
Official Symbol	LPCAT4
Synonyms	LPCAT4; lysophosphatidylcholine acyltransferase 4; 1 acylglycerol 3 phosphate O acyltransferase 7 (lysophosphatidic acid acyltransferase, eta) , acyltransferase like 3 , AGPAT7, AYTL3; lysophospholipid acyltransferase LPCAT4; FLJ10257; LPAAT eta; LPEAT2; lysophosphatidylethanolamine acyltransferase 2; 1-AGPAT 7;

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acyltransferase like 3; acyltransferase-like 3; 1-AGP acyltransferase 7; PLSC domain containing protein; acyl-CoA:lysophosphatidylethanolamine acyltransferase 2; 1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta); AYTL3; AGPAT7; LPAAT-eta;

Gene ID	254531
mRNA Refseq	NM_153613
Protein Refseq	NP_705841
MIM	612039
UniProt ID	Q643R3
Chromosome Location	15q14
Pathway	CDP-diacylglycerol biosynthesis I, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; phosphatidylglycerol biosynthesis II (non-plastidic), organism-specific biosystem;
Function	calcium ion binding; transferase activity, transferring acyl groups;