

Lysophosphatidylcholine Acyltransferase Human Recombinant

Item Number	rAP-2013
Synonyms	AYTL2, lpcat, PFAAP3, Lysophosphatidylcholine acyltransferase 1, LPC acyltransferase 1, LPCAT-1, LysoPC acyltransferase 1, 1-acylglycerophosphocholine O-acyltransferase, 1-alkylglycerophosphocholine O-acyltransferase, Acetyl-CoA:lyso-platelet-activating
Description	LPCAT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 479 amino acids (79-534a.a) and having a molecular mass of 53.4kDa. LPCAT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8NF37
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSSAEKEPE QPPALWRKVV DFLKAIMRT MWFAGGFHRV AVKGR-QALPT EAAILTLAPH SSYFDAIPVT MTMSSIVMKA ESRDPIWGT LIQYIRPVFV SRSDQDSRRK TVEIKRRAQ SNGKWPQIMI FPEGTCNRT CLITFKPGAF IPGAPVQPVV LRYPNKLDTI TWTWQGP-GAL EILWLTLCQF HNQVEIEFLP VYSPSEEEKR NPALYASNVR RVMAEALGVS VTDYTFEDCQ LA-LAEGQLRL PADTCLEFA RLVRLGLKP EKLEKDLDRY SERARMKGGE KIGIAEFAAS LEVPVSDLLE DMFSLFDESG SGEVDLRECV VALSVVCRPA RTLDTIQLAF KMYGAQEDGS VEGEDLSCIL KTAL-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The LPCAT1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1M Urea and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**