

LPCAT1, 79-534aa, Human, His tag, E.coli

Cat.NO.: TP02841

3th Edition

Synonyms:Lysophosphatidylcholine acyltransferase 1, AYTL2, lpcat, PFAAP3

Description:Lysophosphatidylcholine acyltransferase 1, also known as LPCAT1, belongs to the 1-acyl-sn-glycerol-3-phosphate acyltransferase family. It is a key enzyme for remodeling phospholipids, including phosphatidylcholine. LPCAT1 possesses both acyltransferase and acetyltransferase activities. It mediates the conversion of 1-acyl-sn-glycero-3-phosphocholine (LPC) into phosphatidylcholine (PC). Recombinant human LPCAT1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol

Molecular Weight:53.4 kDa (479aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSAEKEPEQPPALWRKVVDVFLKAIMRTMWFAGGFHRVAVKGRQALPTEAAI
LTLAPHSSYFDAIPVTMTMSSIVMKAESRDIPWGTLIQYIRPVFVSRSDQDSRRKTVEEIKRRAQSNGKWPQIMIFPE
GTCTNRTCLITFKPGAFIPGAPVQPVVLRYPNKLDITWTWQGP GALEILWLTLCQFHNQVEIEFLPVYSPSEEEKRN
PALYASNVRVMMAEALGVSVDYTFEDCQLALAEGLRLPADTCLLEFARLVRLGLKPEKLEKDLDRYSERARMK
GGEKIGIAEFAASLEVPVSDLLEDMFSLFDESGSGEVDLRECVVALSVVCRPARTLDTIQLAFKMYGAQEDGSGVGE
GDLSCILKTALGVAELTVDFRAIDQEEKGITFADFHRFAEMYPAFAEEYLYPDQTHFESCAETSPAPIPNGFCAD
FSPENS DAGRKPVRKKLD

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.