

## Product datasheet for **AR50836PU-S**

### LPCAT1 (79-534, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	LPCAT1 (79-534, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSSAEKEPE QPPALWRKVV DFLLKAIMRT MWFAGGFHRV AVKGRQALPT EAAITLAPH SSYFDAIPVT MTMSSIVMKA ESRDIPWGT LIQYIRPVFV SRSDQDSRRK TVEEIKRRAQ SNGKWPQIMI FPEGTCNRT CLITFKPGAF IPGAPVQPVV LRYPNKLDTI TWTWQGGP GAL EILWLTLCQF HNQVEIEFLP VYSPSEEEKR NPALYASNVR RVMAEALGVS VTDYTFEDCQ LALAEGQLRL PADTCLLEFA RLVRGLGLKP EKLEKDLDRY SERARMKGGE KIGIAEFAAS LEVPVSDLE DMFSLFDESG SGEVDLRECV VALSVVCRPA RTLDTIQLAF KMYGAQEDGS VGEGLDSCIL KTALGVAELT VTDLFRIDQ EEKGITFAD FHRFAEMYPFAEEYLYPDQ THFESCAETS PAPIPNGFCA DFSPENS DAG RKPVRKKLD
Tag:	His-tag
Predicted MW:	53.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human LPCAT1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_079106</a>
Locus ID:	79888
UniProt ID:	<a href="#">Q8NF37</a>
Cytogenetics:	5p15.33



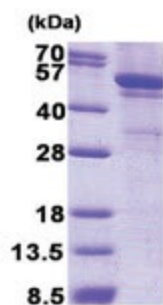
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**Synonyms:** AGPAT9; AGPAT10; AYTL2; lpcat; LPCAT-1; lysoPAFAT; PFAAP3

**Summary:** This gene encodes a member of the 1-acyl-sn-glycerol-3-phosphate acyltransferase family of proteins. The encoded enzyme plays a role in phospholipid metabolism, specifically in the conversion of lysophosphatidylcholine to phosphatidylcholine in the presence of acyl-CoA. This process is important in the synthesis of lung surfactant and platelet-activating factor (PAF). Elevated expression of this gene may contribute to the progression of oral squamous cell, prostate, breast, and other human cancers. [provided by RefSeq, Sep 2016]

**Protein Families:** Transmembrane

**Product images:**



15% SDS-PAGE (3ug)