

Product datasheet for TP508415

Lpcat4 (NM_207206) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse lysophosphatidylcholine acyltransferase 4 (Lpcat4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208415 protein sequence Red =Cloning site Green =Tags(s)
	MSQGSPGAWAPLDPTSGSSASPFPVHELHLSGLQRVKFCLLGVLLAPIRVLLAFIVLFLWPFQAWLQVA GLTEEQLQEPITGWRKTVCHNGVLGSLRLLFFLLGFLRIRVRGQRASRLVVAAPHSTFFDPIVLLP CDLPKVVSRANLSVPVIGALLRFNQAILVSRHDPASRRRVVEVRRRATSGGKWPQVLFPEGTCSNKK ALLKFKPGAFIAGVPVQPVLI RYPNSLDTTSWAWRGPVGLKVLWLTASQPCSIDVDFLPPVYQPSLEESK DPTLYANNVQRVMAQALGIPTTECFVGSPLVIVVGLKVALEPQLWELAKVLQKAGLSPGFVDMGAEPG RSRMISQEAFAQQQLSDPQTVAGAFSYFQQDAKGLVDFRNVALAALDGGRSLEELTRLAFELFAEEQ AEGSDRLLYKDFSTILHLLGSPRPAATTLHAELCQPGCSQGLSLCQFQNFSLHDPLYGKLFSAYL RPP HKPRSTSQIPNASSPSSPTALANGTVQAPKQKGD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	57.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_997089</u>



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Locus ID:	99010
UniProt ID:	Q6NVG1
RefSeq Size:	1920
Cytogenetics:	2 E3
RefSeq ORF:	1575
Synonyms:	Agpat7; AI505034; Ayt13; LPEAT2
Summary:	Displays acyl-CoA-dependent lysophospholipid acyltransferase activity with a subset of lysophospholipids as substrates; converts lysophosphatidylethanolamine to phosphatidylethanolamine, 1-alkenyl-lysophosphatidylethanolamine to 1-alkenyl-phosphatidylethanolamine, lysophosphatidylglycerol and alkyl-lysophosphatidylcholine to phosphatidylglycerol and alkyl-phosphatidylcholine, respectively. In contrast, has no lysophosphatidylinositol, glycerol-3-phosphate, diacylglycerol or lysophosphatidic acid acyltransferase activity. Prefers long chain acyl-CoAs (C16, C18) as acyl donors (By similarity). Converts lysophosphatidylcholine to phosphatidylcholine.[UniProtKB/Swiss-Prot Function]