

Product datasheet for **SC209243**

LPCAT3 (NM_005768) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: LPCAT3 (NM_005768) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: LPCAT3
Synonyms: C3F; LPCAT; LPLAT 5; LPSAT; MBOAT5; nesy; OACT5
ACCN: NM_005768
Insert Size: 749 bp
Insert Sequence: >SC209243 3'UTR clone of NM_005768
The sequence shown below is from the reference sequence of NM_005768. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGAAAGAGAAGTTAAAGAAGATGGAATATCCATTCCCTGGTGCCTGTGCGGGACTGGTGCAGAAA
CTACTCGTCCCTTTTCACAGCACTCCTTTGCCCCAGAGCAGAGAATGGAAAAGCCAGGGAGTGAA
GATCGATGCTTCCAGCTGTGCCTCTGCTGCCAGCCAAGTCTTCATTTGGGGCCAAAGGGGAACTTTTT
TTTGGAGAAGGCGTCTTGTCTTGTACCCACGCTGGAATGCAAGTGGCGGATCTCAGCTCACCGCAACC
TCCACCTCCTGGTTCAAGTGATTTTCTGCCTCAGCCTCCCAAGTAGCTGGGAATACAGGCACGCCAC
CATGCCCAGCTAATTTTGTATTTTTCAGTAGAAACGGGATTTTACCACGTTGGCCAGGCTGGTCTCGAA
CTCCTGACCGCAAGTGATCCACCCGCTCCGCCTCCCAAAGTGTGGGATTACAGGCGTGAGCCACCGT
GCCCGGCCAAAGGGGAACTCTTGTGGGAGGAGCAGAGGGGCTCACATCTCCCCTCTGATCCCCCAT
GCACATTGCCTTATCTCTCCCCATCTAGCCAGGAATCTATTGTGTTTTTCTTCTGCCAATTTACTATGA
TTGTGTATGTGCCGCTACCACCACCCCCCATGGGGGGTGGAGAGGGGTGCAAGGCCCTGCCTGCTC
CACTTTTTCTACCTTGGAACTGTATTAGATAAAATCACTTCTGTTTGTTCAGTTTTTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_005768.6
Summary:	Acyltransferase which mediates the conversion of lysophosphatidylcholine (1-acyl-sn-glycero-3-phosphocholine or LPC) into phosphatidylcholine (1,2-diacyl-sn-glycero-3-phosphocholine or PC) (LPCAT activity). Catalyzes also the conversion of lysophosphatidylserine (1-acyl-2-hydroxy-sn-glycero-3-phospho-L-serine or LPS) into phosphatidylserine (1,2-diacyl-sn-glycero-3-phospho-L-serine or PS) (LPSAT activity). Has also weak lysophosphatidylethanolamine acyltransferase activity (LPEAT activity). Favors polyunsaturated fatty acyl-CoAs as acyl donors compared to saturated fatty acyl-CoAs. Seems to be the major enzyme contributing to LPCAT activity in the liver. Lysophospholipid acyltransferases (LPLATs) catalyze the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle.[UniProtKB/Swiss-Prot Function]
Locus ID:	10162
MW:	27