

## Product datasheet for **RN216883**

### Lpcat2 (NM\_001271344) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lpcat2 (NM_001271344) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lpcat2
Synonyms:	LPCAT-2; RGD1563994
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN216883 representing NM\_001271344  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCGATGCGCCGAGGCGGCCGCTGTGGCGCTACGGTGCCGGGTTTCGGGAGTCGGGGACTCCGGGC  
 TCGGGCCGCCATGGTACCTCGCCAGGGCTCTTCTCCCTCCACCGGTGCCAATCCCTTCGTCCAGCA  
 GACGAGGATCAGTGGCGCCGCGGCTGCAGATGATTCTCCTTGAATTATTCTGCTCCAGTCCGTGCT  
 TTAAGTGGTGGATTAGTTTTGCTGCTGGCATGGCCCTTGTCTGTAATCTCAACAGTATGCTGCCCTAAAA  
 AGCTGACCCATCCAATAAGCGATTGGAGGAGGAAGATCACTCAGCCCGCCTTGAAGTTCTGGGTGCTGC  
 CATGTTCTTCCATGGGGTTTAGGGTTACCGTGAAGGAAAGGTGGCTAGCCCTCTGGAGGCGCCATT  
 TTTGTCGTTGCTCCTCACTCCACGTTCTTCGATGGAATTGCCTGTGTAGTAGCGGGGCTGCCCTCTGCG  
 TGTACCGAATGAGAACGCCAGACCCCTCTGGTTGGCAGACTGTTACGGGCTTTCAGCCGGTTTTGGT  
 ATCCCGTGTGATCCGGATTCCGAAAAACACGATCAACGAAATAAAAAAGCGAGCAATGTCAGCGGGG  
 GAGTGGCCCCAGATACTAGTTTTCCAGAAAGTACTTGTACTAATCGGTCTGTTGATTACTTTTAAAC  
 CAGGAGCCTTTATCCCGGAGTTCAGTGCAACCCGTCCTCCTCAGATATCCCAACAAGCTGGATACTGT  
 AACCTGGACCTGGCAAGGATATACTTTCATCCAGCTGTGTGTGCTCACATTCTGTCAACTGTTCAAAA  
 GTGGAAGTTGAGTTTATGCCTGTGCAAGCACCAAGTGAGGAAGAGAGGAATGATCCTGTCTTTTCGCCA  
 GTAGAGTCCGGAATTTGATGGCGGAAGCTTTGGAAATACCAAGTAAACCGATCACACCTATGAAGACTGCAG  
 GCTGATGATCTCAGCGGGGACGCTCACGCTGCCTATGGAGGCTGGGCTGGTGAATTACTAAGATTAGC  
 CGAAACTGAAGCTGGACTGGGACGGCATCCGAAAGCACTTGGACGAGTACCGTCAATCGCAAGCTCCG  
 CCAAAGGAGCCGAATTGGAATCGAGGAGTTCGCAGAGTACCTGAAGCTGCCCGTTCCGATGCTCGGCG  
 ACAACTTTTTGCTCTCTTTGACAGGAATAACGACGGCAGTATTGACTTCCGGGAGTACGTGATCGGCTTG  
 GCTGTCTTGTGAACCTGCAACACAGAAACATCATCCAGGTGGCATTAAAGCTCTTTGATGTTGATG  
 AGGACGGCTACATCACGGAGGAAGATTTTGCACCATTCTGCAGGCTTCTCTCGGAGTGCCTGACCTTAA  
 TGTTTTCTGGGCTCTTTCAGAGAAATTGCCAAGGGGACTCTGTTTCCTACGAGGAATCAAAAATTTGCT  
 CTGAAGCACCCAGAATATGCCAAGATATTTACAACATATTTAGACCTCCAGACATGCCATGTGTTTTTAC  
 TGCCAGAAGACGTCAGACAGCTCCCTCTGTTGCTAGTAATAAAGTGAGCCCCGAGGCCATGAGGAGGG  
 TACCTCAGGCAAAAAGGTTGAC**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001271344

**Insert Size:** 1635 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001271344.1](#), [NP\\_001258273.1](#)

**RefSeq Size:** 1918 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 100359680

**Cytogenetics:** 19p11