

Product datasheet for **RR216883**

Lpcat2 (NM_001271344) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR216883 representing NM_001271344
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAACCGATGCGCCGAGGCGGCCGCTGTGGCGCTACGGTGCCGGGTTCCGGAGTCGGGGACTCCGGGC
 TGGCGCCGCCATGGTACCTCGCCAGGGCTCTTCTCCCTCCACCGGTGCCCAATCCCTTCGTCCAGCA
 GACGAGGATCAGTGGCGCCGGCGGCTGCAGATGATTCTCCTTGAATTATTCTGCTCCAGTCCGTGCT
 TTAAGTGGTGGATTAGTTTTGCTGCTGGCATGGCCCTTGTCTGTAATCTCAACAGTATGCTGCCCTAAAA
 AGCTGACCCATCCAATAAGCGATTGGAGGAGGAAGATCACTCAGCCCGCCTTGAAGTTCCTGGTCTGTC
 CATGTTCTTCCATGGGGTTTAGGGTTACCGTGAAGGAAAGGTGGCTAGCCCTCTGGAGGCGCCATT
 TTTGTCGTTGCTCCTCACTCCACGTTCTTCGATGGAATTGCCTGTGTAGTAGCGGGGCTGCCCTCTG
 TGTACGGAATGAGAACGCCAGACCCCTCTGGTTGGCAGACTGTTACGGGCTTTCAGCCGGTTTTGGT
 ATCCCGTGTGATCCGGATTCCGAAAAACACGATCAACGAAATAAAAAAGCGAGCAATGTCAGCGGG
 GAGTGGCCCGAGATACTAGTTTTCCAGAAAGTACTTGTACTAATCGGTCTGTTGATTACTTTTAAAC
 CAGGAGCCTTTATCCCGGGAGTTCAGTGCAACCCGCTCCTCAGATATCCCAACAAGCTGGATACTGT
 AACCTGGACCTGGCAAGGATATACTTTTCATCCAGCTGTGTGTGCTCACATTCTGTCAACTGTTCAAAA
 GTGGAAGTTGAGTTTATGCCTGTGCAAGCACCAGTGGAGGAAGAGAGGAATGATCCTGTCTTTTCGCCA
 GTAGAGTCCGGAATTTGATGGCGGAAGCTTTGGAATACCAGTAACGGATCACACCTATGAAGACTGCAG
 GCTGATGATCTCAGCGGGCAGCTCACGCTGCCTATGGAGGCTGGGCTGGTGAATTAAGATTAGC
 CGAAACTGAAGCTGGACTGGACGGCATCCGAAAGCACTTGGACGAGTACCGGTCATCGCAAGCTCCG
 CCAAAGGAGGCCGAATTGGAATCGAGGAGTTCGACAGTACCTGAAGCTGCCCGTTCCGATGCTCTGCG
 ACAACTTTTTGCTCTCTTTGACAGGAATAACGACGGCAGTATTGACTTCCGGGAGTACGTGATCGGCTTG
 GCTGTCTTGTGAACCTGCCAACACAGAACATCATCCAGGTGGCATTAAAGCTCTTTGATGTTGATG
 AGGACGGCTACATCACGGAGGAAGATTTTGCACCATTCTGCAGGCTTCTCTCGGAGTGCCTGACCTTAA
 TGTTTTCTGGGCTCTTTCAGAGAAATTGCCAAGGGGACTCTGTTTCTACGAGGAATCAAAAAGTTTTGCT
 CTGAAGCACCAGAATATGCCAAGATATTTACAACATATTTAGACCTCCAGACATGCCATGTGTTTTTAC
 TGCCAGAAGACGTCCAGACAGCTCCCTCTGTTGCTAGTAATAAAGTGAGCCCGAGGCCATGAGGAGGG
 TACCTCAGGCAAAAAGGTTGAC

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216883 representing NM_001271344
 Red=Cloning site Green=Tags(s)

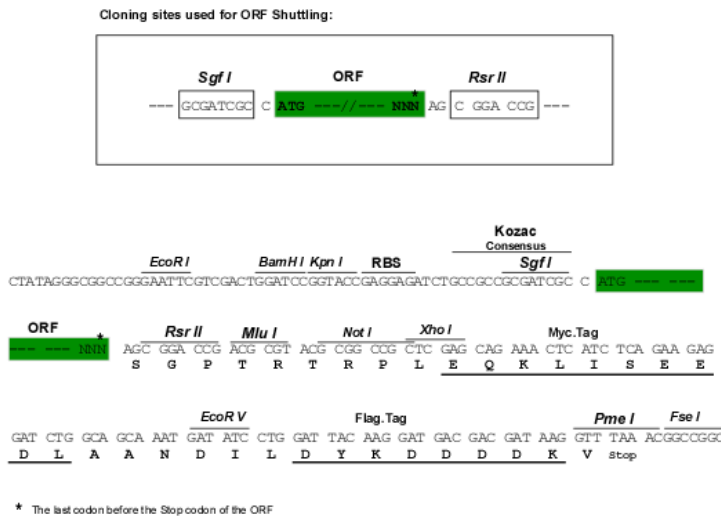
MNRCAEAAVAATVPGSGVGDGLRPPMVRQASFFPPVPNPFVQTRISAARRLQMILLGIILLPVRA
 LLVGLVLLLAWPFAVISTVCCPKKLTHPISDWRRKITQPALKFLGRAMFFSMGFRVTVKGVASPLEAPI
 FVVAPHSTFFDGIACVVAGLPSLVSRNENAQTPLVGRLLRALQPVLVSRVDPDSRKNITINEIKKRAMSGG
 EWPQILVFPEGTCTNRSCLITFKPGAFIPGVPVQPVLLRYPNKLDTVTWTWQGYTFIQLCVLTFQQLFTK
 VEVEFMPVQAPSEEERNDPVLFAASRVNLMAEALEIPVDHTYEDCRLMISAGQLTLPMEAGLVEFTKIS
 RKLKLDWDGIRKHLDEYASIASAKGGRIIEEFAEYKLPVSDVLRQLFALFDRNNDGSIDFREYVIGL
 AVLCPNANTEDIQVAFKLFVDEDEGYITEEEFCTILQASLGVPDLNVSGLFREIAQGDSVSYEEFKSFA
 LKHPEYAKIFTTYLDLQTHVFSPLPEDVQTAPSVASNKVSPESHEEGTSGKKVD

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001271344

ORF Size: 1632 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

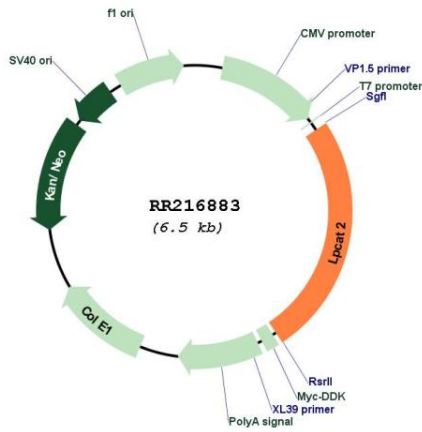
RefSeq ORF: 1635 bp

Locus ID: 100359680

Cytogenetics: 19p11

MW: 60.2 kDa

Product images:



Circular map for RR216883