

Product datasheet for **RC220083A1V**

Human LPCAT1 (NM_024830) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human LPCAT1 (NM_024830) AAV Particle
Tag:	Myc-DDK
Symbol:	LPCAT1
Synonyms:	AGPAT9; AGPAT10; AYTL2; lpcat; LPCAT-1; lysoPAFAT; PFAAP3
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC220083 representing NM_024830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGGCTGCGGGATGCGGACCCCGGCCGCCCTGCCTCCAGCGCAGGGGCCAGCGACGCTCGGCTGC
 TGGCGCCCCCGGGCGGAACCCCTTCGTGCACGAGCTGCGCCTCAGCGCCCTGCAGAAGGCCAGGTGGC
 CCTCATGACACTGACGCTCTTCCCGGTCCGGCTCCTGGTTGCCGCTGCCATGATGCTGCTGGCCTGGCCC
 CTCGCACTTGTGCATCCCTGGGCTCTGCGGAGAAGGAACCCGAGCAGCCCCGCGCCTGTGGAGGAAGG
 TTGTGGACTTCTGCTGAAGGCCATCATGCGCACCATGTGTTTCGCCGGCGGCTTCCACCGGGTGCCGT
 GAAGGGGCGGAGGCGCTGCCACCGAGGCGGCCATCCTACGCTCGCGCCTCACTCGTCTACTTCGAC
 GCCATCCCTGTGACCATGACGATGTCTCCATCGTGATGAAGGCAGAGAGCAGAGACATCCGATCTGGG
 GAACTCTGATCCAGTATATACGGCTGTGTTCTGTGCCGGTCAGACCAGGATTCTCGCAGGAAAACAGT
 AGAAGAAATCAAGAGACGGGCGCAGTCCAACGAAAGTGGCCACAGATAATGATTTTTCCAGAAGGAACT
 TGTACAAACAGGACCTGCCTAATTACCTTCAAACCTGGTGCATTATCCCTGGAGCGCCCGTCCAGCCTG
 TGGTTTTACGATATCAAATAAACTGGACACCATCACATGGACGTGGCAAGGACCTGGAGCGCTGAAAT
 CCTGTGGCTCACGCTGTGTCACTTTACAACCAAGTGGAAATCGAGTTTCCTTCTGTGTACAGCCCTTCT
 GAGGAGGAGAAGGAACCCCGCGCTGTATGCCAGCAACGTGCGGCGAGTCATGGCCGAGGCCTTGGGTG
 TCTCCGTGACTGACTACACGTTTCGAGGACTGCCAGCTGGCCCTGGCGGAAGGACAGCTCCGTCTCCCCGC
 TGACACTTGCCTTTTGAATTTGCCAGGCTCGTGGGGGCTCGGGCTAAAACAGAAAAGCTTGAAAAA
 GATCTGGACAGATACTCAGAAAGAGCCAGGATGAAGGGAGGAGAGAAGATAGGTATTGCGGAGTTTGCCG
 CCTCCCTGGAAGTCCCCGTTTCTGACTTGTCTGGAAGACATGTTTCACTGTTTCGACGAGAGCGGACGCG
 CGAGGTGGACCTGCGAGAGTGTGTGTTGCCCTGTCTGTCTGCGCGCCGCGCCGACCTGGACACC
 ATCCAGCTGGCTTTCAAGATGTACGGAGCGCAAGAGGACGCGAGCGTCGGCGAAGGTGACCTGTCTGCA
 TCCTCAAGACGGCCCTGGGGGTGGCAGAGCTCACCGTGACCGACCTATTCGAGCCATTGACCAAGAGGA
 GAAGGGGAAGATCACATTGCTGACTTCCACAGGTTTGAGAAATGTACCCTGCCTTCGAGAGGAATAC
 CTGTACCCGGATCAGACACATTTGAAAGCTGTGCAGAGACCTCACCTGCGCCATCCCAAACGGCTTCT
 GTGCCGATTTAGCCCGGAAACTCAGACGCTGGGCGGAAGCCTGTTTCGAAGAAGCTGGAT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MRLRGCPRAPASSAGASDARLLAPPGRNPFVHELRLSALQKAQVALMTLTLFPVRLLVAAAMLLAWP
 LALVASLGSAEKEPEQPPALWRKVVDLFLKAIMRTMWFAGGFHRVAVKGRQALPTEAAILTLAPHSSYFD
 AIPVTMTMSSIVMKAESRDIPIWGTLIQYIRPVFVSRSDQDSRRKTVEEIKRRAQSNKWPQIMIFPEGT
 CTNRTCLITFKPGAFIPGAPVQPVVLRYPNKLDITWTWQGPGLAELWLTLCQFHNQVEIFLPVYSPS
 EEEKRNPALYASNVRRVMAEALGVSVTDYTFEDCQLALAEGQLRLPADTCLLEFARLVRGLGLKPEKLEK
 LDLDRYSERARMKGGEKIGIAEFAASLEVPVSDLLEDMSLFDSESGSEVDLRECVVALSVVCRPARTLDT
 IQLAFKMYGAQEDGSVGEDLSILKLTALGVAELTVTDLFRAIDQEEKGITFADFHRFAEMYPFAEEY
 LYPDQTHFESCAETSPAPIPNGFCADFSPENS DAGRPVRKKLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_024830

ORF Size:

1602 bp

Buffer:	PBS with 0.001% Pluronic F68
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_024830.3</u>
RefSeq Size:	3994 bp
RefSeq ORF:	1605 bp
Locus ID:	79888
UniProt ID:	<u>Q8NF37</u>
Cytogenetics:	5p15.33
MW:	59 kDa