

Product datasheet for **RC202420A1V**

Human Serine Palmitoyltransferase (SPTLC2) (NM_004863) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Serine Palmitoyltransferase (SPTLC2) (NM_004863) AAV Particle
Tag:	Myc-DDK
Symbol:	Serine Palmitoyltransferase
Synonyms:	hLCB2a; HSN1C; LCB2; LCB2A; NSAN1C; SPT2
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202420 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCGGCCGAGCCCGAGGCTGCTGCTGCCGCCGACGGTGCGGGCGAATGGCTGCGTGCGCAACGGGG
 AAGTACGGAACGGGTACGTGAGGAGCAGCGCTGCAGCCGACGCCGAGCCGCCGCGGCCAGATCCATCA
 TGTTACACAAAATGGAGGACTATATAAAGACCGTTTAAATGAAGCTTTTGAAGAAACACCAATGCTGGTT
 GCTGTGCTCACGTATGTGGGTATGGCTACTCACCCTCTTTGGATATCTTCGAGATTTCTTGAGGTATT
 GGAGAATTGAAAAGTGTACCATGCAACAGAAAGAGAAGAAACAAAGGACTTTGTGTCATTGTATCAAGA
 TTTTGAAGAACTTTTATACAAGGAATCTGTACATGAGGATAAGAGACAAGTGAATCGGCCAATCTGTAGT
 GTGCTGGAGCCAGGGTGGACATCATGGAGAGACAGTCTCATGATTATAACTGGTCTTCAAGTATACAG
 GGAATATAATAAAGGGTGTATAAATCATGGGTTCTACAACATCTTGGATTGTCACGGAATACTGGATC
 ATGTCAAGAAGCAGCCGCAAGTCTTGAGGAGTATGGAGCTGGAGTGTGCAGTACTCGGCAGGAAATT
 GGAAACCTGGACAAGCATGAAGAACTAGAGGAGCTTGTAGCAAGGTTCTTAGGAGTAGAAGCTGCTATGG
 CGTATGGCATGGGATTTGCAACGAATTCATGAACATTCTGCTCTTGTGGCAAAGGTTGCCTGATTCT
 GAGTGATGAACTGAACCATGCATCACTGGTCTGGGAGCCAGACTGTCAGGAGCAACCATTAGAATCTTC
 AAACACAACAATATGCAAGCCTAGAGAAGCTATTGAAAGATGCCATTGTTTATGGTCAGCCTCGGACAC
 GAAGGCCCTGGAAGAAAATCTCATCTTGTGGAAGGAATATATAGCATGGAGGGATCTATTGTTCTGCT
 TCCTGAAGTGATTGCCCTCAAGAAGAAATACAAGGCATACTTGTATCTGGATGAGGCTCACAGCATTGGC
 GCCCTGGGCCCCACAGGCCGGGTGTGGTGGAGTACTTTGGCCTGGATCCCGAGGATGTGGATGTTATGA
 TGGGAACGTTCAAAAGAGTTTTGGTGCTTCTGGAGGATATATTGGAGGCAAGAAGGAGCTGATAGACTA
 CCTGCCAACACATTCTCATAGTGCAGTGTATGCCACGTCAATTGTCACTCTGTAGTGGAGCAGATCATC
 ACCTCCATGAAGTGCATCATGGGCGAGGATGGCACCAGCCTTGGTAAAGAGTGTGTACAACAGTTAGCTG
 AAAACACCAGGATTTTCAAGGAGCAGCCTGAAAGAGATGGGCTTCATCATCTATGGAAATGAAGACTCTCC
 AGTAGTGCCTTTGATGCTCTACATGCCTGCCAAAATTGGCGCCTTTGGACGGGAGATGCTGAAGCGGAAC
 ATCGGTGTCGTTGTGGTTGGATTTCTGCCACCCCAATTATTGAGTCCAGAGCCAGGTTTTGCTGTGAG
 CAGCTCATACAAAGAAATACTTGATACTGCTTTAAAGGAGATAGATGAAGTTGGGGACCTATTGCAGCT
 GAAGTATTCCTGTCATCGGTTGGTACCTCTACTGGACAGGCCCTTTGACGAGACGACGTATGAAGAAACA
 GAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202420 protein sequence
 Red=Cloning site Green=Tags(s)

MRPEPGGCCRRRTVRANGCVANGEVNRGYVRSSAAAAAGQIHHVTQNGGLYKRPFNFAFEETPMLV
 AVLTYVGYGVLTFLGYLRDFLRWRIEKCHHATEREEQKDFVSLYQDFENFYTRNLYMRIRDNWNRPICS
 VPGARVDIMERQSHDYNWSFKYTGNIIKGVINMGSYNYLGFARNTGSCQEAANKVLEEYAGVCSTRQEI
 GNLDKHEELEELVARFLGVEAAMAYGMGFATNSMNIPALVGKGLILSDELNHSASLVGLARLSGATIRIF
 KHNNMQSLEKLLKDAIVYQPRTRRPWKILILVEGIYSMEGSIVRLPEVIALKKKYKAYLYLDEAHSIG
 ALGPTGRGVVEYFGLDPEDVDVMMGTFTKSFGASGGYIGGKELIDYLRTHSHSAVYATSLSPVVEQII
 TSMKCMGQDGTSLGKECVQQLAENTRYFRRLKEMGFIYGNEDSPVPLMLYMPAKIGAFGREMLKRN
 IGVVVVGFPAPIIESRARFCLSAHTKEILDALKEIDEVDLLQLKYSRHLVPLDRPFDETTYEET
 ED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_004863
ORF Size:	1686 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_004863.2</u>
RefSeq Size:	8164 bp
RefSeq ORF:	1689 bp
Locus ID:	9517
UniProt ID:	<u>O15270</u>
Cytogenetics:	14q24.3
MW:	62.9 kDa