

Product datasheet for **RC222985A1V**

Human SPTLC1 (NM_006415) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human SPTLC1 (NM_006415) AAV Particle
Tag:	Myc-DDK
Symbol:	SPTLC1
Synonyms:	HSAN1; HSN1; LBC1; LCB1; SPT1; SPTI
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC222985 representing NM_006415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACCGCCACGGAGCAGTGGGTTCTGGTGGAGATGGTACAGGCGCTTTACGAGGCTCCTGCTTACC
 ATCTTATTTTGAAGGGATTCTGATCCTCTGGATAATCAGACTTCTTTTCTCTAAGACTTACAAATTACA
 AGAACGATCTGATCTTACAGTCAAGGAAAAAGAAGAACTGATTGAAGAGTGGCAACCAGAACCTCTTGT
 CCTCTGTCCCAAAAGACCATCTGCTCTCAACTACAACATCGTTTCAGGCCCTCCAAGCCACAAAACCTG
 TGGTGAATGGAAGAAGTGTATAAACTTCGCCTCATTTAATTTTCTGGATTGTTGGATAACCTAGGGT
 TAAGGCAGCAGCTTTAGCATCTCTAAAGAAGTATGGCGTGGGACTTGTGGACCCAGAGGATTTTATGGC
 ACATTTGATGTTCAATTTGGATTTGAAGACCGCTGGCAAAATTTATGAAGACAGAAGAAGCCATTATAT
 ACTCATATGGATTTGCCACCATAGCCAGTGCTATTCTGCTTACTCTAAAAGAGGGGACATTGTTTTTGT
 AGATAGAGCTGCCTGCTTTGCTATTAGAAAGGATTACAGGCATCCCGTAGTGACATTAAGTTATTTAAG
 CATAATGACATGGCTGACCTCGAGCGACTACTAAAAGAACAAGAGATCGAAGATCAAAAGAAATCCTCGCA
 AGGCTCGTGTAACCTCGGCGTTTCATTGTAGTAGAAGGATTGTATATGAATACTGGAACATTTTGCCTCT
 TCCAGAATTGGTTAAGTTAAATACAAATACAAAGCAAGAATCTTCTGGAGGAAAGCCTTTCAATTTGGA
 GTCCTAGGAGAGCATGGCCGAGGAGTCACTGAACACTATGGAATCAATATTGATGATATTGATCTTATCA
 GTGCCAACATGGAGAATGCACCTGCTTCTATTGGAGGTTTCTGCTGTGGCAGGTCTTTTGTAAATTGACCA
 TCAGCGACTTTCCGGCCAGGGATACTGCTTTTCAGCTTCGTTACCTCCCTGTTAGCTGCTGCAGCAATT
 GAGGCCCTCAACATCATGGAAGAGAATCCAGGTATTTTGCAGTGTGTAAGGAAAAGTGGGACAAATTC
 ATAAAGCTTTACAAGGCATTTCTGGATTAAAAGTGGTGGGGAGTCCCTTTCTCCAGCCTTTACCTACA
 ACTGGAAGAGAGCACTGGGTCTCGCGAGCAAGATGTCAGACTGCTTCAGGAAATTTAGATCAATGCATG
 AACAGAAGTATTGCATTAACCTAGGCGCGCTACTTGGAGAAAAGAGAAGTGTCTCCCTCCTCCAGCA
 TTCGGGTTGTGGTCACGGTGAACAAACAGAGGAAGAACTGGAGAGAGCTGCGTCCACCATCAAGGAGGT
 AGCCCAGGCCGCTCTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC222985 representing NM_006415
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MATATEQWVLVEMVQALYEAPAYHLILEGILILWIIRLLFSKTYKLQERSDLTVKEKEELIEEWQPEPLV
 PPVPKDHPPALNYNIVSGPPSHKTVVNGKECINFASFNLGLLDNPRVKAALASLKKYGVGTCGPRGYG
 TFDVHLDLEDRLAKFMKTEEAIIYSYGFATIASAIPAYSKRGDIVFVDRAACFAIQKGLQASRSIDKLFK
 HNDMADLERLLKEQIEDQKNRKRVRTRFIVVEGLYMNTGTICPLPELVKLYKYKARIFLEESLSFG
 VLGEHGRGVTEHYGINIDDLISANMENALASIGGFCCGRSFDHQRSLSGQGYCFASLPPLAAAAI
 EALNIMEENPGIFAVLKEKCGQIHKALQGISGLKVVGESLSPAFHLQLEESTGSREQDVRLLQEIVDQCM
 NRSIALTQARYLEKEEKCLPPSIRVVVTVEQTEEELEERAASITKEVAQAVLL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_006415

ORF Size:

1419 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_006415.2</u>
RefSeq Size:	2780 bp
RefSeq ORF:	1422 bp
Locus ID:	10558
UniProt ID:	<u>O15269</u>
Cytogenetics:	9q22.31
MW:	52.6 kDa