

## OriGene Technologies, Inc.

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## Product datasheet for RC202420L1V

## Serine Palmitoyltransferase (SPTLC2) (NM\_004863) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

Product Name:Serine Palmitoyltransferase (SPTLC2) (NM_004863) Human Tagged ORF Clone Lentiviral ParticleSymbol:Serine PalmitoyltransferaseSynonyms:hLCB2a; HSN1C; LCB2; LCB2A; NSAN1C; SPT2Mammalian Cell Selection:NoneVector:pLenti-C-Myc-DDK (PS100064)Tag:Myc-DDKACCN:NM_004863ORF Size:1686 bpORF Nucleotide Sequence:The ORF insert of this clone is exactly the same as(RC202420).Orf Disclaimer:The molecular sequence of this clone aligns with the gene accession number as a point of 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 infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Expression varians is recommended prior to use. More infoRefSeq:NM 004863.2RefSeq ORF:1689 bpLocus ID:9517UniProt ID:015270Cytogenetics:14q24.3Domains:aminotran_1.2	Product Type:	Lentiviral Particles
Synonyms:hLCB2a; HSN1C; LCB2; LCB2A; NSAN1C; SPT2Mammalian Cell Selection:NoneVector:pLenti-C-Myc-DDK (PS100064)Tag:Myc-DDKACCN:NM_004863ORF Size:1686 bpORF Nucleotide Sequence:The oRF insert of this clone is exactly the same as (RC202420).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 infoOTI Annotation:Nin 004863.2RefSeq Size:8164 bpRefSeq ORF:1689 bpLocus ID:9517UniProt ID:015220Cytogenetics:14q24.3	Product Name:	
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RefSeq ORF: 1689 bp   Locus ID: 9517   UniProt ID: 015270   Cytogenetics: 14q24.3	RefSeq:	<u>NM 004863.2</u>
Locus ID:   9517     UniProt ID:   015270     Cytogenetics:   14q24.3	RefSeq Size:	8164 bp
UniProt ID:   015270     Cytogenetics:   14q24.3	RefSeq ORF:	1689 bp
Cytogenetics: 14q24.3	Locus ID:	9517
	UniProt ID:	<u>015270</u>
Domains: aminotran_1_2	Cytogenetics:	14q24.3
	Domains:	aminotran_1_2



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Protein Pathways:	Metabolic pathways, Sphingolipid metabolism
MW:	62.9 kDa
Gene Summary:	This gene encodes a long chain base subunit of serine palmitoyltransferase. Serine palmitoyltransferase, which consists of two different subunits, is the key enzyme in sphingolipid biosynthesis. It catalyzes the pyridoxal-5-prime-phosphate-dependent condensation of L-serine and palmitoyl-CoA to 3-oxosphinganine. Mutations in this gene were identified in patients with hereditary sensory neuropathy type I. [provided by RefSeq, Mar 2011]

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