

Product datasheet for **RC202420L2V**

Serine Palmitoyltransferase (SPTLC2) (NM_004863) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Serine Palmitoyltransferase (SPTLC2) (NM_004863) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Serine Palmitoyltransferase
Synonyms:	hLCB2a; HSN1C; LCB2; LCB2A; NSAN1C; SPT2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004863
ORF Size:	1686 bp
ORF 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 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.
RefSeq:	NM_004863.2
RefSeq Size:	8164 bp
RefSeq ORF:	1689 bp
Locus ID:	9517
UniProt ID:	O15270
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]