

Product datasheet for **MR208877L4V**

Sptlc2 (NM_011479) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sptlc2 (NM_011479) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sptlc2
Synonyms:	LCB; LCB2; LCB2a; Sp; Spt2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011479
ORF Size:	1683 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208877).
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_011479.2 , NP_035609.1
RefSeq Size:	3754 bp
RefSeq ORF:	1683 bp
Locus ID:	20773
UniProt ID:	P97363
Cytogenetics:	12 D2



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Gene Summary:

This gene encodes a long chain base subunit of serine palmitoyltransferase. The enzyme, serine palmitoyltransferase, consists of two different subunits, and 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. A mutant allele of this gene in mice is used as a model for the human disease 'Susceptibility to Psoriasis 1'. Mutations in the human gene are associated with hereditary sensory neuropathy type I. [provided by RefSeq, Sep 2015]