

Product datasheet for **RC209747L3V**

SPTSSA (NM_138288) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SPTSSA (NM_138288) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SPTSSA
Synonyms:	C14orf147; SSSPTA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_138288
ORF Size:	204 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209747).
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_138288.3 , NP_612145.1
RefSeq Size:	2538 bp
RefSeq ORF:	216 bp
Locus ID:	171546
UniProt ID:	Q969W0
Cytogenetics:	14q13.1
Protein Families:	Transmembrane
MW:	8.2 kDa



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Gene Summary:

Serine palmitoyltransferase (SPT; EC 2.3.1.50) catalyzes the first committed and rate-limiting step in sphingolipid biosynthesis. SSSPTA is a small SPT subunit that stimulates SPT activity and confers acyl-CoA preference to the SPT catalytic heterodimer of SPTLC1 (MIM 605712) and either SPTLC2 (MIM 605713) or SPTLC3 (MIM 611120) (Han et al., 2009 [PubMed 19416851]).[supplied by OMIM, Nov 2010]