

Product datasheet for **RR208109L3V**

Sptssa (NM_001047743) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sptssa (NM_001047743) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Sptssa
Synonyms:	Ssspta
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001047743
ORF Size:	213 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR208109).
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_001047743.1 , NP_001041208.1
RefSeq Size:	1276 bp
RefSeq ORF:	216 bp
Locus ID:	500651
UniProt ID:	Q4G019
Cytogenetics:	6q23



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Gene Summary:

Stimulates the activity of serine palmitoyltransferase (SPT). The composition of the serine palmitoyltransferase (SPT) complex determines the substrate preference. The SPTLC1-SPTLC2-SPTSSA complex shows a strong preference for C16-CoA substrate, while the SPTLC1-SPTLC3-SPTSSA isozyme uses both C14-CoA and C16-CoA as substrates, with a slight preference for C14-CoA. Plays a role in MBOAT7 location to mitochondria-associated membranes (MAMs), may be involved in fatty acid remodeling phosphatidylinositol (PI). [UniProtKB/Swiss-Prot Function]