

Product datasheet for **RC208146L4V**

Synaptotagmin VI (SYT6) (NM_205848) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Synaptotagmin VI (SYT6) (NM_205848) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Synaptotagmin VI
Synonyms:	sytVI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_205848
ORF Size:	1275 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208146).
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_205848.2
RefSeq Size:	4357 bp
RefSeq ORF:	1278 bp
Locus ID:	148281
UniProt ID:	Q5T7P8
Cytogenetics:	1p13.2
Protein Families:	Secreted Protein, Transmembrane
MW:	48.4 kDa



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Gene Summary:

The protein encoded by this gene belongs to the synaptotagmin family. Synaptotagmins share a common domain structure that includes a transmembrane domain and a cytoplasmic region composed of 2 C2 domains, and are involved in calcium-dependent exocytosis of synaptic vesicles. This protein has been shown to be a key component of the secretory machinery involved in acrosomal exocytosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2011]