

Product datasheet for **RC208528L4V**

Synaptotagmin V (SYT5) (NM_003180) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Synaptotagmin V (SYT5) (NM_003180) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Synaptotagmin V
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003180
ORF Size:	1158 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208528).
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_003180.2
RefSeq Size:	1853 bp
RefSeq ORF:	1161 bp
Locus ID:	6861
UniProt ID:	O00445
Cytogenetics:	11p
Domains:	C2
Protein Families:	Secreted Protein, Transmembrane
MW:	42.9 kDa



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Gene Summary:

Synaptotagmins, such as SYT5, are a family of type III membrane proteins characterized by cytoplasmic repeats related to protein kinase C (see MIM 176960) regulatory (C2) domains, which are thought to bind calcium. Synaptotagmins may act both as negative regulators of vesicle fusion, allowing fusion in the presence of calcium, and as calcium receptors or sensor molecules (summary by Hudson and Birnbaum, 1995 [PubMed 7597049]).[supplied by OMIM, Feb 2011]