

Product datasheet for **RC227105L4V**

Synaptotagmin 1 (SYT1) (NM_001135805) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Synaptotagmin 1 (SYT1) (NM_001135805) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Synaptotagmin 1
Synonyms:	BAGOS; P65; SVP65; SYT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001135805
ORF Size:	1266 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227105).
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_001135805.1 , NP_001129277.1
RefSeq ORF:	1269 bp
Locus ID:	6857
UniProt ID:	P21579
Cytogenetics:	12q21.2
Protein Families:	Secreted Protein, Transmembrane
MW:	47.4 kDa


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Gene Summary:

The synaptotagmins are integral membrane proteins of synaptic vesicles thought to serve as Ca^{2+} sensors in the process of vesicular trafficking and exocytosis. Calcium binding to synaptotagmin-1 participates in triggering neurotransmitter release at the synapse (Fernandez-Chacon et al., 2001 [PubMed 11242035]).[supplied by OMIM, Jul 2010]