

Product datasheet for **RC212652L4V**

Synaptotagmin VII (SYT7) (NM_004200) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Synaptotagmin VII (SYT7) (NM_004200) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Synaptotagmin VII
Synonyms:	IPCA-7; IPCA7; PCANAP7; SYT-VII; SYTVII
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004200
ORF Size:	1209 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212652).
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_004200.2
RefSeq Size:	4609 bp
RefSeq ORF:	1212 bp
Locus ID:	9066
UniProt ID:	O43581
Cytogenetics:	11q12.2
Protein Families:	Secreted Protein, Transmembrane
MW:	45.3 kDa


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Gene Summary:

This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. A similar protein in rodents mediates hormone secretion and lysosome exocytosis. In humans, expression of this gene has been associated with prostate cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]