

Product datasheet for **RR212183L4V**

Snap25 (NM_030991) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Snap25 (NM_030991) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Snap25
Synonyms:	SNAP-25a; SNAP-25B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_030991
ORF Size:	618 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR212183).
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_030991.3 , NP_112253.1
RefSeq Size:	2135 bp
RefSeq ORF:	621 bp
Locus ID:	25012
UniProt ID:	P60881
Cytogenetics:	3q36



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Gene Summary:

Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein. It is essential for regulated exocytosis in neuronal cells. Alternative transcript variants encoding two different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2012]