Product datasheet for RC228970L3V

Synaptotagmin 3 (SYT3) (NM_001160329) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Synaptotagmin 3 (SYT3) (NM_001160329) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Synaptotagmin 3
Synonyms:	SytIII
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001160329
ORF Size:	1770 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228970).
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_001160329.1, NP_001153801.1
RefSeq Size:	2493 bp
RefSeq ORF:	1773 bp
Locus ID:	84258
UniProt ID:	Q9BQG1
Cytogenetics:	19q13.33
Protein Families:	Secreted Protein, Transmembrane
MW:	63.3 kDa

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Gene Summary: Ca(2+) sensor involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+) and phospholipid binding to the C2 domain. Ca(2+) induces binding of the C2-domains to phospholipid membranes and to assembled SNARE-complexes; both actions contribute to triggering exocytosis (By similarity). Plays a role in dendrite formation by melanocytes (PubMed:23999003).[UniProtKB/Swiss-Prot Function]