

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RC228784L3V

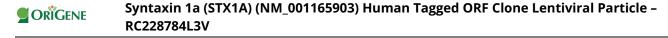
Syntaxin 1a (STX1A) (NM_001165903) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Syntaxin 1a (STX1A) (NM_001165903) Human Tagged ORF Clone Lentiviral Particle
Symbol:	STX1A
Synonyms:	HPC-1; P35-1; STX1; SYN1A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001165903
ORF Size:	753 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228784).
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. <u>More info</u>
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:	<u>NM 001165903.1, NP 001159375.1</u>
RefSeq ORF:	756 bp
Locus ID:	6804
UniProt ID:	<u>Q16623</u>
Cytogenetics:	7q11.23
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
MW:	28.8 kDa



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Gene Summary:This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-
specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma
membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble
NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain
(known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagmin in
a calcium-dependent fashion and interact with voltage dependent calcium and potassium
channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel
regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different
isoforms have been found for this gene.[provided by RefSeq, Sep 2009]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US