

## Product datasheet for **MR218447L4V**

### Stxbp5l (NM\_172440) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Stxbp5l (NM_172440) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Stxbp5l
Synonyms:	9430094L02; A830015P08Rik; LLGL4; T2dm1; t2md1; tomosyn-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172440
ORF Size:	3555 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218447).
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. <a href="#">More info</a>
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:	<a href="#">NM_172440.3</a> , <a href="#">NP_766028.2</a>
RefSeq Size:	12064 bp
RefSeq ORF:	3558 bp
Locus ID:	207227
UniProt ID:	<a href="#">Q5DQR4</a>
Cytogenetics:	16 B3



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**Gene Summary:**

Plays a role in vesicle trafficking and exocytosis inhibition (PubMed:25002582). In pancreatic beta-cells, inhibits insulin secretion probably by interacting with and regulating STX1A and STX4, key t-SNARE proteins involved in the fusion of insulin granules to the plasma membrane (PubMed:21998599). Plays also a role in neurotransmitter release by inhibiting basal acetylcholine release from axon terminals and by preventing synaptic fatigue upon repetitive stimulation (PubMed:24744148). Promotes as well axonal outgrowth (By similarity). [UniProtKB/Swiss-Prot Function]