

## Product datasheet for **MR224784L4V**

### Stxbp1 (NM\_009295) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Stxbp1 (NM_009295) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Stxbp1   |
| Synonyms:                 | AI317162; AI326233; MMS10-G; Ms10g; Munc-18a; Munc18-1; N-sec1; nsec1; Rb-sec1; Sxtbp1   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_009295  |
| ORF Size:                 | 1782 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR224784).   |
| 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_009295.2</a> , <a href="#">NP_033321.2</a>  |
| RefSeq Size:              | 3874 bp  |
| RefSeq ORF:               | 1785 bp  |
| Locus ID:                 | 20910  |
| UniProt ID:               | <a href="#">O08599</a>   |
| Cytogenetics:             | 2 22.09 cM   |



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**Gene Summary:**

Participates in the regulation of synaptic vesicle docking and fusion through interaction with GTP-binding proteins (By similarity). Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. May play a role in determining the specificity of intracellular fusion reactions (By similarity).[UniProtKB/Swiss-Prot Function]