

Product datasheet for **MR222713L4V**

Unc13b (NM_021468) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Unc13b (NM_021468) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Unc13b
Synonyms:	Munc13-1; Munc13-2; Unc13a; Unc13h1; Unc13h2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_021468
ORF Size:	4806 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222713).
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_021468.3 , NP_067443.2
RefSeq Size:	6426 bp
RefSeq ORF:	4809 bp
Locus ID:	22249
UniProt ID:	Q9Z1N9
Cytogenetics:	4 A5



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Gene Summary:

Plays a role in vesicle maturation during exocytosis as a target of the diacylglycerol second messenger pathway. Is involved in neurotransmitter release by acting in synaptic vesicle priming prior to vesicle fusion and participates in the activity-dependent refilling of readily releasable vesicle pool (RRP) (By similarity). Essential for synaptic vesicle maturation in a subset of excitatory/glutamatergic but not inhibitory/GABA-mediated synapses. [UniProtKB/Swiss-Prot Function]