

Product datasheet for **MR222168L4V**

Nlgn2 (NM_198862) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nlgn2 (NM_198862) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nlgn2
Synonyms:	NL2; NLG2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_198862
ORF Size:	2515 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222168).
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_198862.2 , NP_942562.2
RefSeq Size:	5034 bp
RefSeq ORF:	2511 bp
Locus ID:	216856
UniProt ID:	Q69ZK9
Cytogenetics:	11 B3



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Gene Summary:

Transmembrane scaffolding protein involved in cell-cell interactions via its interactions with neurexin family members. Mediates cell-cell interactions both in neurons and in other types of cells, such as Langerhans beta cells. Mediates cell-cell interactions between Langerhans beta cells and modulates insulin secretion (By similarity). Plays a role in synapse function and synaptic signal transmission, especially via gamma-aminobutyric acid receptors (GABA(A) receptors). Functions by recruiting and clustering synaptic proteins. Promotes clustering of postsynaptic GABRG2 and GPHN. Promotes clustering of postsynaptic LHFPL4 (PubMed:29742426). Modulates signaling by inhibitory synapses, and thereby plays a role in controlling the ratio of signaling by excitatory and inhibitory synapses and information processing. Required for normal signal amplitude from inhibitory synapses, but is not essential for normal signal frequency. May promote the initial formation of synapses, but is not essential for this. In vitro, triggers the de novo formation of presynaptic structures. [UniProtKB/Swiss-Prot Function]