

Product datasheet for **MR201244L4V**

Cplx4 (NM_145493) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cplx4 (NM_145493) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cplx4
Synonyms:	A930004D23Rik; CPXIV; Gm957
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145493
ORF Size:	483 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201244).
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_145493.1 , NP_663468.1
RefSeq Size:	1767 bp
RefSeq ORF:	483 bp
Locus ID:	225644
UniProt ID:	Q80WM3
Cytogenetics:	18 E1


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Gene Summary:

Complexin that regulates SNARE protein complex-mediated synaptic vesicle fusion (PubMed:19386896). Required for the maintenance of synaptic ultrastructure in the adult retina (PubMed:19386896). Positively regulates synaptic transmission through synaptic vesicle availability and exocytosis of neurotransmitters at photoreceptor ribbon synapses in the retina (PubMed:15911881, PubMed:19386896, PubMed:27335398). Suppresses tonic photoreceptor activity and baseline 'noise' by suppression of Ca(2+) vesicle tonic release and the facilitation of evoked synchronous and asynchronous Ca(2+) vesicle release (PubMed:22694764, PubMed:27335398).[UniProtKB/Swiss-Prot Function]