

## Product datasheet for **MR201191L3V**

### **Cplx3 (NM\_146223) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	Cplx3 (NM_146223) Mouse Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	Cplx3
<b>Synonyms:</b>	BC016632; CpxIII; ERGIC-53L; ERGL; Lamn1I; Lman1I
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
<b>Tag:</b>	Myc-DDK
<b>ACCN:</b>	NM_146223
<b>ORF Size:</b>	477 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(MR201191).
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_146223.2</a>
<b>RefSeq Size:</b>	2859 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	235415
<b>UniProt ID:</b>	<a href="#">Q8R1B5</a>
<b>Cytogenetics:</b>	9 B



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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]