

## Product datasheet for **MR222874L4V**

### **Cacnb3 (NM\_001044741) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cacnb3 (NM_001044741) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cacnb3
Synonyms:	Beta3; Ca(v)beta3; CAB3; Cchb3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001044741
ORF Size:	1449 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222874).
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_001044741.1</a> , <a href="#">NP_001038206.1</a>
RefSeq Size:	2688 bp
RefSeq ORF:	1452 bp
Locus ID:	12297
Cytogenetics:	15 54.64 cM



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**Gene Summary:**

Regulatory subunit of the voltage-gated calcium channel that gives rise to L-type calcium currents (PubMed:24751537). Increases CACNA1B peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity). Increases CACNA1C peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity).[UniProtKB/Swiss-Prot Function]