

## Product datasheet for **MR222891L3V**

### Cacna2d2 (NM\_001174050) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Cacna2d2 (NM_001174050) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cacna2d2
Synonyms:	a2d2; Cacna2d; du; mKIAA0558; td; torpid
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001174050
ORF Size:	3441 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222891).
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_001174050.1</a> , <a href="#">NP_001167521.1</a>
RefSeq Size:	5515 bp
RefSeq ORF:	3447 bp
Locus ID:	56808
UniProt ID:	<a href="#">Q6PHS9</a>
Cytogenetics:	9 58.02 cM



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**Gene Summary:**

The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Acts as a regulatory subunit for P/Q-type calcium channel (CACNA1A), N-type (CACNA1B), L-type (CACNA1C OR CACNA1D) and possibly T-type (CACNA1G).[UniProtKB/Swiss-Prot Function]