

## Product datasheet for **MR223362L3V**

### **Cacng4 (NM\_019431) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cacng4 (NM_019431) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cacng4
Synonyms:	AI413107; AW491861
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_019431
ORF Size:	981 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223362).
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_019431.2</a>
RefSeq Size:	984 bp
RefSeq ORF:	984 bp
Locus ID:	54377
UniProt ID:	<a href="#">Q9JIV4</a>
Cytogenetics:	11 E1



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**Gene Summary:**

Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit (By similarity). Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA receptors), including GRIA1 and GRIA4. Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization and by mediating their resensitization (PubMed:17880894).[UniProtKB/Swiss-Prot Function]