

## Product datasheet for **MR226038L4V**

### **Cacng7 (NM\_133189) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cacng7 (NM_133189) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cacng7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_133189
ORF Size:	825 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226038).
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_133189.3</a>
RefSeq Size:	828 bp
RefSeq ORF:	828 bp
Locus ID:	81904
UniProt ID:	<a href="#">P62956</a>
Cytogenetics:	7 1.95 cM



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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). 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 (By similarity). Shows specificity only for GRIA1 and GRIA2 (By similarity).[UniProtKB/Swiss-Prot Function]