

Product datasheet for **MR226369L3V**

Cacng2 (NM_007583) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cacng2 (NM_007583) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cacng2
Synonyms:	AW060990; B230105C07Rik; B930041E13Rik; stargazer; stargazin; stg; wag; waggler
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007583
ORF Size:	972 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226369).
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. More info
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:	NM_007583.2 , NP_031609.1
RefSeq Size:	2887 bp
RefSeq ORF:	972 bp
Locus ID:	12300
UniProt ID:	O88602
Cytogenetics:	15 36.92 cM



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Gene Summary:

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. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity). [UniProtKB/Swiss-Prot Function]