

## Product datasheet for **RC220789L4V**

### **CACNG5 (NM\_014404) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	CACNG5 (NM_014404) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CACNG5
Synonyms:	calcium channel, voltage-dependent, gamma subunit 5; MGC126656; MGC126682; neuronal voltage-gated calcium channel gamma-5 subunit; voltage-dependent calcium channel gamma-5 subunit
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014404
ORF Size:	888 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220789).
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_014404.1</a> , <a href="#">NP_055219.1</a>
RefSeq Size:	891 bp
RefSeq ORF:	890 bp
Locus ID:	27091
Cytogenetics:	17q24.2
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

**MW:** 32.6 kDa

**Gene Summary:** The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type I TARP and a calcium channel gamma subunit. This gene is a susceptibility locus for schizophrenia and bipolar disorder. [provided by RefSeq, Dec 2010]