

## Product datasheet for **RC217298L1V**

### **CACNG6 (NM\_145815) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

<b>Product Type:</b>	Lentiviral Particles
<b>Product Name:</b>	CACNG6 (NM_145815) Human Tagged ORF Clone Lentiviral Particle
<b>Symbol:</b>	CACNG6
<b>Mammalian Cell Selection:</b>	None
<b>Vector:</b>	pLenti-C-Myc-DDK (PS100064)
<b>Tag:</b>	Myc-DDK
<b>ACCN:</b>	NM_145815
<b>ORF Size:</b>	642 bp
<b>ORF Nucleotide Sequence:</b>	The ORF insert of this clone is exactly the same as(RC217298).
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>RefSeq:</b>	<a href="#">NM_145815.1</a> , <a href="#">NP_665814.1</a>
<b>RefSeq Size:</b>	1748 bp
<b>RefSeq ORF:</b>	645 bp
<b>Locus ID:</b>	59285
<b>UniProt ID:</b>	<a href="#">Q9BXT2</a>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other, Transmembrane
<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway



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**MW:** 23.3 kDa

**Gene Summary:** Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. 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 that function as transmembrane AMPA receptor regulatory proteins (TARPs). Alternative splicing results in multiple transcript variants. Variants in this gene have been associated with aspirin-intolerant asthma. [provided by RefSeq, Dec 2010]