

Product datasheet for **RC219179L1V**

CACNA1I (NM_021096) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CACNA1I (NM_021096) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CACNA1I |
| Synonyms: | ca(v)3.3; Cav3.3 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_021096 |
| ORF Size: | 6669 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219179). |
| 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_021096.3 |
| RefSeq Size: | 10007 bp |
| RefSeq ORF: | 6672 bp |
| Locus ID: | 8911 |
| UniProt ID: | Q9P0X4 |
| Cytogenetics: | 22q13.1 |
| Protein Families: | Druggable Genome, Ion Channels: Calcium, Transmembrane |
| Protein Pathways: | Calcium signaling pathway, MAPK signaling pathway |



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MW: 244.9 kDa

Gene Summary: This gene encodes the pore-forming alpha subunit of a voltage gated calcium channel. The encoded protein is a member of a subfamily of calcium channels referred to as is a low voltage-activated, T-type, calcium channel. The channel encoded by this protein is characterized by a slower activation and inactivation compared to other T-type calcium channels. This protein may be involved in calcium signaling in neurons. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]