

## Product datasheet for **SC205799**

### **CACNA1G (NM\_198396) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CACNA1G (NM\_198396) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CACNA1G  
**Synonyms:** Ca(V)T.1; Cav3.1; NBR13; SCA42; SCA42ND  
**ACCN:** NM\_198396  
**Insert Size:** 753 bp  
**Insert Sequence:** >SC205799 3'UTR clone of NM\_198396  
The sequence shown below is from the reference sequence of NM\_198396. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTCTGACCCAGCAGACCTGGACCCCTGAGTCCTGCCCACTTTCCCACTCACCTTTTCCACTGGGT
GCCAAGTCTAGCTCCTCCTCTGGGTATATTCCTGACAAAAGTTCCATATAGACACCAAGGAGCGG
AGGCGCTCCTCCCTGCCTCAGTGGCTCTGGGTACCTGCAAGCAGAACTTCAAAGAGAGTTAAAAGCAG
CAGCCCCGGCAACTCTGGCTCCAGGCAGAAAGGAGAGGCCCGGTGCAGCTGAGTTCCCGACACCAGAAG
CTGTTGGGAGAAAAGCAATACGTTTGTGCAGAATCTCTATGTATATTCTATTTTATAAATTAATTGAAT
CTAGTATATGCGGGATGTACGACATTTTGTGACTGAAGAGACTTGTTCCTTCTACTTTTATGTGTCTC
AGAATATTTTGGAGCGAAGGCGTCTGTCTCTTGGCTATTTAACCTAAAATAACAGTCTAGTTATATT
CCCTCTTCTTCAAAGCACAAGCTGGGACCGGAGCACATTGCAGCCCCAACGGTGGCCCATCTTCAGC
GGAGAGCGAGAACCATTTTGGAACTGTAATGTAACCTATTTTTTCTTTAACCTCGTCATCATTTTCT
GTAGGGAAAAAAAAAAGAAAAAGAAAAATGAGATTTTACAAGTAAATGGAACCTTTTTATATATACA
TACATACATATCTATCTATCTATATATATAAAATAAAGTAAATTTTCTAAATAAAAA
ACGCGTAAAGCGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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|                    |   |
|--------------------|---|
| <b>Components:</b> | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.  |
| <b>RefSeq:</b>     | <a href="#">NM_198396.3</a>   |
| <b>Summary:</b>    | Voltage-sensitive calcium channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division, and cell death. This gene encodes a T-type, low-voltage activated calcium channel. The T-type channels generate currents that are both transient, owing to fast inactivation, and tiny, owing to small conductance. T-type channels are thought to be involved in pacemaker activity, low-threshold calcium spikes, neuronal oscillations and resonance, and rebound burst firing. Many alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Sep 2011] |
| <b>Locus ID:</b>   | 8913  |
| <b>MW:</b>         | 29.2  |