

## Product datasheet for **SC204203**

### CACNA1G (NM\_198384) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CACNA1G (NM\_198384) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CACNA1G  
**Synonyms:** Ca(V)T.1; Cav3.1; NBR13; SCA42; SCA42ND  
**ACCN:** NM\_198384  
**Insert Size:** 753 bp  
**Insert Sequence:** >SC204203 3'UTR clone of NM\_198384  
 The sequence shown below is from the reference sequence of NM\_198384. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTCTGACCCAGCAGACCTGGACCCCTGAGTCCTGCCCCACTTTCCCACTCACCTTTTCCCACTGGGT
GCCAAGTCTAGCTCCTCCTCTGGGTATATTCTGACAAAAGTTCCATATAGACACCAAGGAGCGG
AGGCGCTCCTCCCTGCCTCAGTGGCTCTGGGTACCTGCAAGCAGAACTTCAAAGAGAGTTAAAAGCAG
CAGCCCCGGCAACTCTGGCTCCAGGCAGAAAGGAGAGGCCCGGTGCAGCTGAGTTCCCGACACCAGAAG
CTGTTGGGAGAAAAGCAATACGTTTGTGCAAGTCTCTATGTATATTCTATTTTATAAATTAATTGAAT
CTAGTATATGCGGGATGTACGACATTTTGTGACTGAAGAGACTTGTTCCTTCTACTTTTATGTGTCTC
AGAATATTTTGGAGCGAAGGCGTCTGTCTCTTGGCTATTTAACCTAAAATAACAGTCTAGTTATATT
CCCTCTTCTTGAAGCACAAGCTGGGACCGGAGCACATTGCAGCCCCAACGGTGGCCCATCTTCAGC
GGAGAGCGAGAACCATTTTGGAACTGTAATGTAACCTATTTTTTCTTTAACCTCGTCATCATTTTCT
GTAGGGAAAAAAAAAAGAAAAAGAAAAATGAGATTTTACAAGTAAAATGGAACCTTTTTATATATACA
TACATACATATCTATCTATCTATATATATAAAATAAAGTAATTTTCTAAATAAAAA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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_198384.3</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