

## Product datasheet for **SC212169**

### CaV1.3 (CACNA1D) (NM\_000720) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CaV1.3 (CACNA1D) (NM_000720) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CACNA1D
Synonyms:	CACH3; CACN4; CACNL1A2; Cav1.3; CCHL1A2; PASNA; SANDD
ACCN:	NM_000720
Insert Size:	2000 bp



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**Insert Sequence:** >SC212169 3'UTR clone of NM\_000720  
 The sequence shown below is from the reference sequence of NM\_000720. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGAAATGATATGCATCACACCTTGTAGCCCCAGCGAGGGGCGAGACTGGCTCTGGCCTCAGGTGGG
GCGCAGGAGAGCCAGGGGAAAAGTGCCTCATAGTTAGGAAAAGTTTAGGCACTAGTTGGGAGTAATATTC
AATTAATTAGACTTTTGTATAAGAGATGTCATGCCTCAAGAAAGCCATAAACCTGGTAGGAACAGGTCC
CAAGCGGTTGAGCCTGGCAGAGTACCATGCGCTCGGCCAGCTGCAGGAAACAGCAGGCCCCGCCCTC
TCACAGAGGATGGGTGAGGAGGCCAGACCTGCCCTGCCCATTTGCCAGATGGGCACTGCTGTGGAGTC
TGCTTCTCCCATGTACCAGGGCACCAGGCCACCAACTGAAGGCATGGCGGGGGTGCAGGGGAAAG
TTAAAGGTGATGACGATCATCACCTGTGTCGTTACCTCAGCCATCGGTCTAGCATATCAGTCACTGG
GCCAACATATCCATTTTAAACCTTTCCCCAAATACACTGCGTCCTGGTTCTGTTTAGCTGTTCT
GAAATACGGTGTGTAAGTAAGTCAAGAACCCAGCTACCAGTGATTATTGCGAGGGCAATGGACCTCATA
AATAAGGTTTTCTGTGATGTGACGCCAGTTACATAAGAGAATATCACTCCGATGGTCGGTTTTCTGACT
GTCACGCTAAGGGCAACTGTAACTGGAATAATAATGCACTCGCAACCAGGTAACTTAGATACACTAG
TTTGTAAAAATTATAGATTTACTGTACATGACTTGTAAATACTATAATTTGTATTTGTAAGAGATG
GTCTATATTTGTAATTACTGTATTGTATTTGAACTGCAGCAATATCCATGGGTCCTAATAATTGTAGT
TCCCACTAAAATCTAGAAAATTATAGTATTTTACTCGGGCTATCCAGAAGTAGAAGAAATAGAGCCA
ATTCTCATTTATTCAGCGAAAATCCTCTGGGTTAAAAATTTAAGTTTGAAGAAGTGTGACTACAGA
AATTTTTCTAAAATATTTTGTAGTCACTATAAACCTATCATCTTTCCACAAGATATACCAGATGACTATT
TGCACTTTTTCTTTGGCAAGAGTTCATGATTTTACTGTACTGTTGGATCCACCATGGGTTGCA
ACTGTCTTTGGTTTTGTTGTTGACTTGAACCACCTCTGGTAAGTAAGTAAGTGAATTACAGAGCAG
GTCCAGCTGGCTGCTCTGCCCTTGGGTATCCATAGTTACGGTTTTCTGTGGCCACCAGGGTGT
TTTTGCATCGCTGGTGCAGAAATGCATAGGTGGATGAGATATAGCTGCTTGTCTCTGGGACTGGT
GGTGTCTGCTAAGAAATAAGGGGTGCTGGGACAGAGGAGCAACGTGGTGTCTATAGGATTGGAGTGT
CGGGTCTGTACAAATCGTATTGTTGCCTTTACAAAACCTGCTGTACTGTATGTTCTCTTTGAGGGCTT
TTATATGCAATTGAATGAGGGCTGAAGTTTTTCATTAGAATGCACTCACACTCTGACTGTACGTCCTGAT
GAAAACCACTTTTGATAATTAGAACCCTCAAGGCTTCATTTCTGTCAACAGAATTAGGCCGACTGT
CAGGTTACCTTGGCAGGATTCCCTGCAATCAAAAAGATAGATGATAGGTAGCAATTTTGGTCCAAAAT
TTTTAATAGTATACAGACAACCTGTTAATTTTTTTTTTTTTTTTTTTTTTTTGTAAATAACAAACACCAC
TTTGTATGAAGACCTTACAAACCTCTTCTAAGACATTTACTCTGATCCAGGCAAAAACACTTCAA
GGTTTGTAAATGACTCTTCTGACATAAATCCTTTTTTATAAAATGCAAAATGTTCTTTCAGAATAAA
ACTGTGTAATAATTTTATACTTGGGAGTGCTCCTTGCACAGAGCTGTCAATTTGCCAGTGAGAGCCTC
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACC GCCCCTTCTATGAAAGG
  
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**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).

**Components:** 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.

**RefSeq:** [NM\\_000720.4](#)

**Summary:**

Voltage-dependent 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, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, namely alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1D subunit. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]

**Locus ID:**

776

**MW:**

75.4