

Product datasheet for **SC203761**

CACNA2D1 (NM_000722) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CACNA2D1 (NM_000722) Human 3' UTR Clone
Symbol:	CACNA2D1
Synonyms:	CACNA2; CACNL2A; CCHL2A; LINC01112; lncRNA-N3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000722
Insert Size:	2000 bp



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Insert Sequence: >SC203761 3'UTR clone of NM_000722
 The sequence shown below is from the reference sequence of NM_000722. 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
GTATCTGGCAGCACACACCGCCTGTTATGACCTTCTAAAAACCAAATCTGCATAGTTAAACTCCAGACC
CTGCCAAAACATGAGCCCTGCCCTCAATTACAGTAACGTAGGGTCAAGCTATAAAAACAGACAAAACATTA
GCTGGGCTGTTCCATGGCATAACACTAAGGCGCAGACTCCTAAGGCACCCACTGGCTGCATGTCAGGG
TGTGAGATCCTTAAACGTGTGTGAATGCTGCATCATCTATGTGTAACATCAAAGCAAAATCCTATACGT
GTCCTCTATTGAAAAATTTGGGAGTTTGTGTTGCATTGTTGGTGATTACATGTGAAAGGGTTCCCAT
ACAATTGTTAATGAACCATAAGAAATGTCTTGATATTGACCTGGAATTTTGACTTGCTGCAATTTACT
AAGAAAATCTCTAAGGGGAAAGAAATATTTTTGCCTTCACTTTTCTTCTGTGAAAAGTTAATCTCTG
CTTTAAGTAGCAATTATTGAAATATATAGAGAAAGAGAGAATTAACATTGGTCTAAATTTGTTGAAATAT
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CAAAAATAAAACACAATTGATGACCAATCAATTTTGTGGGGTAAATGAATTGATGGTTTAAAAATAGT
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CTCTTACTGTAGAGTGTAGTCATTGAAAAGTTAACTGAGTGATATTGTTATGTAAGAATCTGAACCTTG
CAGTGTAATGCACTTAAGTCATCTTTAAAATGTTGTTAACTACTCTGAATATACTGTCAATGTAAA
TGCTGAATGATTGGGGTTAGATAAATGGTGAAATGAGAATTAATGAATTTTATACAGATTGATGCTTTC
GCCTGATAACCTATGTACAGATATTTTAAAGTACATAAAATCAGATTTGACACATTTATTTTTTAAAAAGT
ACATATATGTTCTCAATGAAGATTCATCCTAGGTTTCTCTTTGTTGCTTTCAATAGTAGCACATACAA
TCCAAAAGTTCTGCTACTGCTGCTTTTGCCTTCCATTTTAAATGGTATGATCGTTTGGCCAAAATTT
CCATGCAAGTTGATAAGGGTTTTACAATAATCTGAACAAATAGGAAACCTTGAATCTCTATGTATGCAC
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GTAATCAGATATTTTATTATAGACTAATATGGTAGCAGATTATTTATGCTTTTAAAAATATTTTCTG
GAGCAACAGTATTTGAAGAAAAGTAAAAACTATGAATGTGTAATCTAAGAATAGTTAATAATTTTA
CTGAAGGCTGAACGTATGTAGATATTTTTTATGATAAAATGCAGTTTTTCTTTTTTGGAACATGCCAA
TTACTGGTATGTGTATATGCTGGAAATTTTCTTACATATCCTTTTTAAGTCAAAGTTATTAACATTATC
CAGCATGCTTTAATATGCTCCACATATCAAAGATATAACCAATAATTTAACGTAGCTTAAAAGATAACA
TTTGTGTTGTTTTAGCTTTGCATACATTTGTAATCCCTCCCACCACCAATATACCTTAGGTACCATT
TGTGTACATTTCAAGATTTTTTTTTTCAATAAAAAGGTGGGGGGAAATGGAATCACTTTGCCAATCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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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_000722.4](#)

Summary: The preproprotein encoded by this gene is cleaved into multiple chains that comprise the alpha-2 and delta subunits of the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. Mutations in this gene can cause cardiac deficiencies, including Brugada syndrome and short QT syndrome. Alternate splicing results in multiple transcript variants, some of which may lack the delta subunit portion. [provided by RefSeq, Nov 2014]

Locus ID: 781

MW: 78