

Product datasheet for **SC216072**

CACNA2D4 (NM_172364) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CACNA2D4 (NM_172364) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CACNA2D4
Synonyms:	RCD4
ACCN:	NM_172364
Insert Size:	1685 bp



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Insert Sequence: >SC216072 3' UTR clone of NM_172364
The sequence shown below is from the reference sequence of NM_172364. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**CGGATCGC**

CCCAACTCCTGCGG**TGA**CACCACCCAGCCTGACCTGTGTTTTGGCAAGGTGATCCTCCAGAGCCATCCC
AAAAAGTCAGCACTGACATGGGATGCAGCTAACTGCAGTTGGGTCGCCCCAGGCCAACGCTCCTCTCAA
TCCTGGGCTGGTGGCCCTGGCTCCGGAGAATGCTGGATGGAACAGGAAACCAATCACCTGGCACCCTT
TCAAGATGCTTCATGGTCCCGGTACCCTGTCCTAGGTCTCAACATGAGCATACTTCTGACCTAACCT
TCCTGTCTCCTTTCGGGAAGCCAGCGTGAGCTCAGCTTGACCAAGACAAAATAATTTAGTTCTTCTCTG
TACTCCAGAGTCCAGACCCAGCCAAGAAAGGGTCAGTTGTTTCTGACCTTTCTGTGCGGAGTGGTCTCTG
GTAGAACCCAAGGACTTCTGGGTAAGTGAAGCAGCAGCAGAATGAGGCCAAATGCAGAGATGAGGCTAA
GGCAAGAATATGCCCAACTAAAGCATAGATTCGCCAAAGTGAGGCTCATGGTGGGAGGCCACTCACCTT
CCTAGCTGCTGCTCGAAAAGGTTTTGACTGTGTTGGGGTGGGGTGGGTAAGGGAATGGTCAAGACTGA
GAAAGGAATGAAATCCATTACAGGAAATATCGACAGGGCTACACGTGATGTCCCCAACTGCTGCTATTGA
AGAAGTCCCAAACTTCTTTACAAAGCCCTAAAGGAAAGTTGCATCTATGAAAAGCCAATAGGCTGAG
ACATCCAATTGCTGCATGGAAATTGATGTACATTCAGGGGACGGCAAAAATAGCTGTAAAATAGTGAAAA
AGAGCAGTGGTTGTGCTCTTTCTGGCCAATGATTTACAAAAGAATCTACTTGACTCTGTCCCTGGAGTG
AAATCCTTAGGGTTGGAAGTTGTGGGAACATCCAAGTCTGCTAAGCAGGGTCCACTGGGAGGGAAGCTCT
ATCTGGGAAGTCAACCCAGCGCACACATCTCCCCAGGGTCCCAAGGCCCGCAGCTTCTCTCCCCCG
ACCAAACCCCAAGACCTGGATCCCAGGAGACAACAGTCTCCACAGTGAGAGCAACATTAAGGGCAAGCC
ATGGAGAAATGTGGGAGAGGCCGCTCAAATCTTTCCATTTAACAAACCCAGTGATGGGTATGGACAG
CATGCAGGGCTTTTGGGGCGCTTCCCCCGCTCCTCCATCACCTCAGCCTCCACACTTCAAAGTTCAAG
TTCAAAGCTGTTCAAGTTTCTACCAGCAAATAGCCCTAAGTGCCTCTAGAGTAGGCCAAATGCCAACT
CTGTAACACACTTACATTATCGGTTACAGAATGTCACCTTTACCGTCACTGTCTTGCAACAACCTGTG
AGGGCAGTATTAATGCCCCCTTACAGCAGAAGACTGCAGCTCGAAGACAGCTTAAGTGGCAGAATAAT
GCTAGAACAGCTAAGGTTTACATGTACCAAATAACATGTTTCAGCTCATTCCATCCTCACAACAGCCCC
TGAAAGTGGGTAAGTATCATTAGTCCCATTGTTATAGAACTGCAGCAGAGTTGAAAATTGCCTCCAATTA
CCGGAAGAGTGTATGAAGATTGAATGTGATGTATTACGTAACATGCTTGAAACTGCCTGCCATATACTA
AACGC

ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCG

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_172364.4](#)

Summary:

This gene encodes a member of the alpha-2/delta subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Locus ID:

93589