

Product datasheet for **SC216801**

CACNA2D2 (NM_006030) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CACNA2D2 (NM_006030) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CACNA2D2
Synonyms:	CACNA2D; CASVDD
ACCN:	NM_006030
Insert Size:	2000 bp



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Insert Sequence: >SC216801 3'UTR clone of NM_006030
 The sequence shown below is from the reference sequence of NM_006030. 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
GTCTCGTCCACGCCTCTCGCCGCTCTGAGCACCTGCCCCACCCACCTCCACTCCCACCTCACCGG
GCCTCTTCGCCTTTCCACCCCTCTGCCCCACACTCCCCGCCTTAGAGCCTCGTCCCTCCCTCACTGAA
GGACCTGAGCTGGCCAGGCCCTGAGAGTCTGGTCTGCGCCTTGGGATGGGGAGTCCCAAAGCGGGACGC
CGCAGGTGTTTGGCACCCAAATCACATCTCACCTCCGAAGTGTCAAGTGTCCCCAGACCCTTTCTGCC
TGCTGGGTCCCCCAGTGGGATGGGACAGGGAGGCCACACGCACTGGTGCCAAAACCAGGCCTCTGCT
GCCGCCCTTCTGGAGGCTGCCTATGTTGGGGGGACCCTGCCTCAGCTGACCCGGCCTCTCTGCCCA
CCCAAGCCCAAATTGGTTTCTGTGAGAATAGTGGAGGAAGGTGAGATGGCCAGTTTGAAGCCTGTGCC
TCCCAGCTTAAATCCTAGCAGGAGAGAGGCTCTGGGGCAGCCCCATGGGCTCCTGCCCTTTTCAGGCC
TACAGCCACATCCCAAGCCACCAGGTGTGAGGATAGTACAGTGATACAGTTTACAGACTACCCCA
TATACACCTGGAACATTGAGGATGGAACTGGACTCACATTTCGACATACCCCACTGGGCACACGCAAA
ACACACACTATGGGTGGGTGGGTGTAGGGCTTACAAAGCCTTACACAGGGCGAGGGGTGGTGG
GAGGGTTGGCACCTGCACACTCCATCTCCTGCTCACCACTGCCTCTAATCTGAGCTGCAGCCTGGCTG
GTCCTCCCATTTCTAAAGCTGAATGTCAAACAGTGCCAAATGCTGGGGCAGGGGTGAAGAACCTCTG
TCCCACCCTAGCCACAGTGTCTCAAGTCCCCCTCACCTCTCCAGGTGCTCATTGTAACCATTTTC
TCACTAGTGTGAGGCCCCAGTGGGACCACATGCCACTGCCTGCACCTTTCGGCAGAGGAACCCCAACC
AGACATACCCCTTTCCTTAGCAGGGGTGACTTTGTCTCTCTCTGGCTGGGCCATCCTTCGGCAATCTG
GCCCTTACACACTCAGGCCTGTGCCACTCCCTATCTCCTTCCCACCCCTACACACACTCCCTGCTT
GCAGGAGGCCAAACTGTCCCTCCCTTGCTGAACACACACACACACACACACAGGTGGGGACTGGG
CACAGCTTTCACACCATTATTCTGGTCATTTCCCCAAAGGCATCCCAGCCTGGGGGCCAGTGGGGA
ACTGAGGGCAAGGGGATATAGTGATGGGCTCAGATGGACTGGGAGGAGGGGGAGGGTGTGATTAAT
TAATGGCTTCGTTAATTAATGTCATGTTGCTTGTGCTTTCTCAGTGTGTGTGTGGTCCATGCCAC
TGCTGGTGCCAGGGTGGGTGCCATGTGCACCCGGCCTGGATGCCAGCTGTGCTTTCGGGGCGTGGC
TGTAAGTGTAGTGTAGTCAAGTGTCAATGGAGAATAAACAATATACAGAAAAATATATATTTAAGT
TTAAAAACAGAAAAACAGACAAAAACAATCCCCATCAGGTAGTGTCTAACCCCAAGCTGGGTCTAATC
CTTCTATTACCCACCCGACCTGGCTGCCCTCACCTGGGCTGGGGACTGGGGGCCATTTCTTTT
CTCTGCCCTTTTTTTGTTTCTATTTTGTACAGACAAGTTGGAAAAACAACAGCGACAAAAAAGTCAA
GAACTTTGTAATAATCGTGTGTGTGATTCTTTGTAATAATTTTCAAATGGTTTATTACAGAAGATC
AGTTATTAATAATGTTTCATATTTTCACTTCAAATGGTTCCCATCCACTGTATCAGCTTGGGGGTGAGG
ACTGGGTAGCTATGAAGACAGTTGGCCAAGACCTCAGAGTCCCCTTAGTGCTCTGCAGGGGGTGAAG
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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_006030.4](#)

Summary:

Calcium channels mediate the entry of calcium ions into the cell upon membrane polarization. This gene encodes the alpha-2/delta subunit of the voltage-dependent calcium channel complex. The complex consists of the main channel-forming subunit alpha-1, and auxiliary subunits alpha-2/delta, beta, and gamma. The auxiliary subunits function in the assembly and membrane localization of the complex, and modulate calcium currents and channel activation/inactivation kinetics. The subunit encoded by this gene undergoes post-translational cleavage to yield the extracellular alpha2 peptide and a membrane-anchored delta polypeptide. This subunit is a receptor for the antiepileptic drug, gabapentin. Mutations in this gene are associated with early infantile epileptic encephalopathy. Single nucleotide polymorphisms in this gene are correlated with increased sensitivity to opioid drugs. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]

Locus ID:

9254

MW:

71.7