

Product datasheet for **SC209876**

CACNA1H (NM_001005407) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CACNA1H (NM_001005407) Human 3' UTR Clone
Symbol:	CACNA1H
Synonyms:	CACNA1HB; Cav3.2; ECA6; EIG6; HALD4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001005407
Insert Size:	804 bp
Insert Sequence:	<p>>SC209876 3'UTR clone of NM_001005407</p> <p>The sequence shown below is from the reference sequence of NM_001005407. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CCAGGGGGTGGTGCAGATGACCCGTGAGCTCGGGGCTTGGTGCCGCCACGGCTTTGGCCCTGGGGT
CTGGGGGGCCCGCTGGGGTGGAGGCCAGGCAGAACCTGCATGGACCCTGACTTGGGTCCCGTCGTGA
GCAGAAAGGCCCGGGGAGGATGACGGCCAGGCCCTGGTTCTTGCCAGCGAAGCAGGAGTAGCTGCC
GGGCCCCACGAGCCTCCGTCCGTTCTGGTTCGGGTTTCTCCGAGTTTGTACCAGCCGAGGCTGTGCG
GGCAACTGGGTCAGCCTCCCGTCAGGAGAGAAGCCGCGTCTGTGGGACGAAGACCGGGCACCCGCCAGA
GAGGGGAAGGTACCAGGTTGCGTCCTTTAGGCCCCGCGTTGTTACAGGACACTCGCTGGGGGCCCTGT
GCCCTTGCCGGCGGCAGGTTGCAGCCACCGCGGCCAATGTCACCTTCACTCACAGTCTGAGTTCTTGT
CCGCTGTACGCCCTCACCACCTCCCTTCCAGCCACCACCTTCCGTTCCGCTCGGGCCTTCCCA
GAAGCGTCCTGTGACTCTGGGAGAGGTGACACCTACTAAGGGGCCGACCCCATGGAGTAACGCGCCCG
GCCCCGATGCGAATCAGGCCTCCCTACATCTGGGGGCGTTGGCCGCGAGATTCCATTGACACCTTTG
TTTCGTGTGCTTTTAAATTCAGGTTAAATGTTGAATAATCTGATGCAGAAGACTCAGCTTCTCAAGGG
AGAGGGAGGGGGCGGAGCGGAATAAATAGTAACCTATTTTAAGAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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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:	<u>NM_001005407.2</u>
Summary:	This gene encodes a T-type member of the alpha-1 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. The alpha-1 subunit has 24 transmembrane segments and forms the pore through which ions pass into the cell. There are multiple isoforms of each of the proteins in the complex, either encoded by different genes or the result of alternative splicing of transcripts. Alternate transcriptional splice variants, encoding different isoforms, have been characterized for the gene described here. Studies suggest certain mutations in this gene lead to childhood absence epilepsy (CAE). [provided by RefSeq, Jul 2008]
Locus ID:	8912
MW:	28.4