

Product datasheet for **SC300179**

CALHM1 (NM_001001412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CALHM1 (NM_001001412) Human Untagged Clone
Tag:	Tag Free
Symbol:	CALHM1
Synonyms:	FAM26C
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001001412 edited
 CTCTGCTCTGAGCTCTGTTGGTCCCAGCCAGGAGAGCCCGAGTCATGAGGTGGGCACCCA
 GTGGGCAGGGTGGGCAGCAGGGGCCCTTTGGAGGCAGCAGTGAGTTGGGAAGAGGAGGC
 CGGGCCCCACAGCGGGCATGATGGACAAGTTCCGGATGATCTTCCAGTTCCTGCAGTCCA
 ACCAGGAGTCTTCATGAATGGCATCTGTGGCATCATGGCCCTGGCCAGTGCCCGAGATGT
 ACTCGGCCTTCGACTTCAACTGCCCTGCCTGCCGGGCTACAATGCGGCCTACAGCGCGG
 GCATCCTGCTGGCCACCCTGGTGCTCTTTCTGCTTGGCCTGGTCATGAACAACAACG
 TGTCCATGCTGGCCGAAGAGTGAAGCGGCCACCGGGCCGCCGGGCAAGGACCCCGCTG
 TGTTGCGTACATGTTCTGCTCCATGGCCAGCGCCCTCATCGCGCTGTCGCTGGG
 TGGCCGTACGCTACTCGACGGCAAATGCTTCTCTGTGCCTTCTGCACTGCCGTGCCCC
 TGAGCGCACTGGGCAACGCGAGCCTGGCACCCGGCCTTCTGCCCCGAGCTCGCCCGCC
 TGCTGGCCCGGGTGCCTGCCCTGAGATCTACGATGGCGACTGGCTGTTGGCCCGAGAGG
 TGGCCGTGCGTTACCTCCGCTGCATCTCCAGGGCTGGGCTGGTCTTCGTGCTGCTGA
 CCACTCTGCTGGCATTTCGTGGTGCCTCTGTGCGGCCCTGCTTACGCAGGCCCGCTTCC
 TCAAGAGCAAGTACTGGTCCCATAATCGACATCGAGCGCAAGCTTTCGACGAGACGT
 GCACGGAGCAGCCAAAGCCTTTGCCAAGGTCTGCATCCAGCAGTTTTCGAGGCCATGA
 ACCATGACCTGGAGCTGGGTACACCAACGGGACACTGGCCACGGCCCTGCTTCCGCAG
 CTGCCCCACGACCCCGATGGTGGGAGGAGGAAAGGGAGAAGCTGCGTGGCATCACGG
 ATCAAGGCACCATGAACAGGCTGCTCAGAGCTGGCACAATGCAAACCGCCTTGGCGC
 TGGGCCAGGAGGAGCCACCGCTGATGGGCAACGGCTGGGCTGGGGTGGGCCCGGCCCTC
 CGCGTAAGGAGGTGGCCACCTACTTCAGCAAAGTGTGAGGCGTGGCCAGCTGAAGAGGCA
 GGAACGGGATCTGAGCCACAGCCCTCAACCCCCAAACCAGGTGGAAAAAGGAAGGG
 TTTCGGTCTGGGCAGTACTCCCTAGGCAGATCCACACTCCGTAGCACTCGCCTGCCCA
 TTGGAGGCAGGAAATTTGGAGCTGGAAGGGATCTGATGCCTTCAGGTGTGACACTGCC
 TGGATGGCCCTAGGGCAGTGGGCCATGAGCAGTATTAGTCTAAAGGGTGGAACTGTC
 ATGGCAGGTACAGGGACCAATGGCTCCCCTCTGCCAGCCCTTCCAGGCTGATGTTAC
 TGCTCCTCCAGGTTCAACAGACATCCCTGCACCAGGTCACCCCTCGTCTGTGGCTGT



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TCAGTACCTCTCTCCTTTATGCTCCGGGCTCGGGGAGTGGGAATCATCAGGCCTCAT
 GAAGTGGGAGCCCTCTGATTTGGGCAAGCGTGTCTAGGTGAGACTGGGTGTGCCGGGC
 AGGTCCATAAGGACATGACACACAGCCTACATGGTGTGACACACCTGGGGTGACAGGCGA
 TGAGACAAGATGTCAGAAGCTAGGTTACATGGAAGAGGTGAGAGTGTGTGGTCACCATG
 GGGTCATGTGACAATTGTCCAGGTGGACTGCATGTTTATTTAGCACAAACCAAGCACAA
 AAGTCCTCCTGTAGAGGGTCTTTGAAAAACACCTTAATACCCACGTCACATCCAGGTC
 TCCAGGGGAAATCAGACCATCCCAAGGCTTGAGAAGTTAGACACAGAAGCTGAAGTCTC
 TCCATTTTTCTCAAAGACCCACCTCTTGGGGATGGAGTTCTAAGAGGCTAAGAGGAGCT
 CCAAGGCTCTAGCCAGGTGGGATGAGGGTGGAGGAGAGCAGTGTAAAGAAAAGCAGCT
 CAGATTCAGAGTGAGACAGAACTGGGTCAAATGGTGTCTCTACCACTCACAACCTGT
 CCCTGGGCCAGCTGCATCACTGCCTGTGCCTTCGTTTCTCATCTATAAATGAGGATGA
 GGCCCCCGGCCGCCATCATGGGGTTGCTGTGTGAAAAGCACATGGCACATAGTAGG
 CACCCAGCACAGGGTGGCTAATGTATTTGTTGATTTCTGAACCTAAGGACTTCCTCCTC
 CTCCTGGGCAGGGATGAGACAGCAACACAAACTCGAGCTTCCATCTTGTGAGGAG
 GAAACAGAGGTACAGATAGGTTTCTCAGCACCCCTCAGCTCTGAGACATAAGTCCCAA
 GCATCTAAGGATTCATTTGATCTTGGCATGATCCATCCTTTTTATCCATCCTCCCT
 CTATCCCCTCTGGGGTCCAGTTCCCTCCTCTTAATTATTTGGGAGGAGTTGCTCAG
 ATCTTTGTGGGCAAGGTGGGCTGGGAGGGCTCTCCAGGAGGTAGGAGTTGGTATGGGC
 CCTGAAGTCAGGGAGGATTAGGATGAGCAAAAAACAAGGTGTATGTTGGTGGGTGGCAGC
 ACTTCCAGTGGGAAGAGAAGGCCCGGAGGTATCAGGAGGTACAAATGTATGAAAGAGCAA
 AGCTTTGGGTGAGGCACACCTGAGTTCAAATACCAGCACTGCAGGACTTGTGGCCAGTCA
 CCCAGCCACTCTAAGCCTCAGTGTGTCTGTCTATAAAATGGATATTAGAAGACCTGCTTG
 GCCAGGCGGAGTGGCTCATGCCTGTAATCCCAGCACTTGGGAGGCCAAGGAGGGAGGATC
 ACTTGAGCCTGGGAGTTGGAGACCAGCCTGGGCAACATAGCAAGACTCTGTCTCTGTAAA
 GTAATAATAATAATAAAGAAGAAGAAGAATAAAGAGAAGATTTATAATTTTAAAA
 AAAAAAAAAAAAAAAAAAAGAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001001412
- Insert Size:** 3100 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to contain 2 SNPs compared with NM_001001412.1.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM_001001412.1](#), [NP_001001412.1](#)

RefSeq Size: 3099 bp

RefSeq ORF: 1041 bp

Locus ID: 255022

UniProt ID: [Q8IU99](#)

Cytogenetics: 10q24.33

Protein Families: Transmembrane

Gene Summary: This gene encodes a calcium channel that plays a role in processing of amyloid-beta precursor protein. A polymorphism at this locus has been reported to be associated with susceptibility to late-onset Alzheimer's disease in some populations, but the pathogenicity of this polymorphism is unclear.[provided by RefSeq, Mar 2010]