

Product datasheet for **SC321581**

CALHM2 (NM_015916) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CALHM2 (NM_015916) Human Untagged Clone
Tag:	Tag Free
Symbol:	CALHM2
Synonyms:	FAM26B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015916.3
 GTTAGATTAGTCTGAAGCCGCCACCAGCCCCAGGCCCCCGTGCAGAAGAAAAGCGGGAGG
 GAACGGCGGAGGCCCGCCGCTGCCCTGCACCGCCCTCCTGGAGGCCACTTGGAGAGTCCGG
 CCCCAGAGAGGCCATGGCCACAAGTGCCACAGCTGGCCCCAGGTTGCCAGCGTCGCTAC
 AGCCCAGACCAAGGCAGAATAATCTCCGGATGAGCTGGTGGCACCCTGAGCCTTTGGTC
 TCACCAGGGCTTCTGTTGCTGGCAGCGGGGTGGAGCGGAGCTGCTGGGAGGCTGCTGG
 ATAGGAGAGGGGTACGGCTGCGGAAGAGGAGGTTCTTCGGGACACCCGTGGATGGACAC
 GGCAAGGAAACACCAGGCCAACACAGCTGGGGATAAAAATAGCACAACCACCCCTGCCG
 TCCAGCGCCTCCCAGCCTGTGCCCTTCTAGTACCACCAGCAACCATCAATCCCCTCTC
 CTCCTGCCTCCTCCTGCAATCCACCCGCCACGACTATCGCCATGGCAGCCCTGATCG
 CAGAGAACTTCCGCTTCTGTCACCTTTTCTTCAAGAGCAAGGATGTGATGATTTTCAACG
 GCCTGGTGGCACTGGGCACGGTGGGCAGCCAGGAGCTGTTCTCTGTGGTGGCCTTCCACT
 GCCCTGCTCGCCGGCCCGAACTACCTGTACGGGCTGGCGGCCATCGGCGTGCCCGCC
 TGGTGCTTTCATCATTGGCATCATCCTCAACAACCACACCTGGAACCTCGTGGCCGAGT
 GCCAGCACGGAGACCAAGAAGTCTCGCCGCCCCACCTTCTCCTTCTAAGCTCCA
 TCCTGGGACGTGCGGCTGTGGCCCTGTACCTGGTCTGTGATCTCCCTGCTGCGTGGTG
 AGGCTTATGTCTGTGCTCTCAGTGAGTTCGTGGACCCCTCCTCACTCACGGCCAGGGAAG
 AGCACTTCCCATCAGCCCAGCCACTGAAATCCTGGCCAGGTTCCCTGCAAGGAGAACC
 CTGACAACCTGTGCACTTCCGGGAGGAGGTCAGCCGAGGCTCAGGATGAGTCCCAGC
 TCTTTGGATGGCTGCTATCGGCGTGGTGGCCATCCTGGTGTTCCTGACCAAGTGCCCTCA
 AGCATTACTGCTACCACTCAGTACCGCCAGGAGGCTACTGGGCGCAGTACCGCGCCA
 ATGAGGACCAGCTGTTCCAGCGCACGGCCGAGGTGCACTCTCGGGTGTCTGCTGCCAACA
 ATGTGCGCCGCTTCTTTGGCTTTGTGGCGCTCAACAAGGATGATGAGGAAGTATTGCCA
 ACTTCCCAGTGGAAAGCACGCGACGCCACAGTGGAAATGCCATCACCAGGCGTCTACT
 TGTACCGTGAGAACCAGGGCCTCCCACTCTACAGCCGCCTGCACAAGTGGGCCAGGGTC
 TGGCAGGCAACGGCGCGGCCCTGACAACGTGGAGATGGCCCTGCTCCCCTCCTAAGGAG
 GTGCTTCCATGCTCTTTGTAATGGCACTACTTGGTCCCAAAGTGAACCCCACTGCTTG
 CTCACATCCATATCAGAAGGGGATTTTTAAAAAACTGTTATCTTCTTGGCCAGGGGAAAG
 GACCACAAGGCAATCTGGGGTGTGGACAGACCCAGTAGACAATGGAAGCCAGCCAGCAG
 GGCCAGGTGACAGTGAAGCTCACCAGTGGGCTCCTTTATGGTACTCTATGCAGTTAATAT
 GTATCTAGCTGCATAGGGACACCAGCGCAGCAGTGCACCACTGGGAAGTGGCCTCCAGT
 GCAGCCTCTGGCCTTATTTTATATATTTAAATTTTTGATAAAGTTTTTCTACTAAAAAA
 AAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015916

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_015916.3 , NP_057000.2
RefSeq Size:	1872 bp
RefSeq ORF:	972 bp
Locus ID:	51063
UniProt ID:	Q9HA72
Cytogenetics:	10q24.33
Protein Families:	Transmembrane
Gene Summary:	Pore-forming subunit of a voltage-gated ion channel.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein.