

## Product datasheet for **SC306545**

### CALHM4 (NM\_153036) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CALHM4 (NM_153036) Human Untagged Clone
Tag:	Tag Free
Symbol:	CALHM4
Synonyms:	C6orf78; FAM26D
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_153036 edited GCCACCATGCTGGGTTGGATTTTGATCACCTTGGCAACCATTGCTGCCTTAGTCTCCTGC TGTGTGGCAAAGTGCTGCTCTCCCCTCACCTCTCTGCAACATTGCTACTGGACCAGCCAC CTCCAGAATGAGAGAGAAGCTCTTTGAACAAGCAGCAGAGCAGCACTCTCGGCTCCTCATG ATGCATCGCATAAAGAAGCTATTTGGCTTCATTCCCGGGAGTGAAGACGTCAAACACATC CGCATTCTTCTTGTGAGGACTGGAAAGATATTTGAGTACCCACTCTTTTATGCATGGGT GATGACTTGAAGGTCATATAGCTTCTTGGAAATAGGGTGGATGAGGATAATGAGGAA GACAGATCAAGAGGTATTGAATTTAAACCTTGA
Restriction Sites:	Please inquire
ACCN:	NM_153036
Insert Size:	400 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:	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).



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**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\\_153036.1](#), [NP\\_694581.1](#)

**RefSeq Size:** 1699 bp

**RefSeq ORF:** 387 bp

**Locus ID:** 221301

**UniProt ID:** [Q5JW98](#)

**Cytogenetics:** 6q22.1

**Protein Families:** Transmembrane

**Gene Summary:** Pore-forming subunit of a voltage-gated ion channel.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks a portion of the 5' coding region and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Both variants 3 and 4 encode isoform c. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.