

## Product datasheet for **RG206902**

### **CALHM1 (NM\_001001412) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CALHM1 (NM\_001001412) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** CALHM1  
**Synonyms:** FAM26C  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206902 representing NM\_001001412  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGATGGACAAGTTCGGATGATCTTCCAGTTCCTGCAGTCCAACCAGGAGTCCTTCATGAATGGCATCT  
 GTGGCATCATGGCCCTGGCCAGTGCCAGATGTAAGTTCGGCCTTCGACTTCAACTGCCCTGCCTGCCGG  
 CTACAATGCGGCCTACAGCGGGCATCTGCTGGCGCCACCCCTGGTGTCTTTCTGCTTGGCCTGGT  
 ATGAACAACAACGTGTCCATGCTGGCCGAAGAGTGGAAGCGGCCACCGGGCCGGCCGCAAGACCCCG  
 CTGTGTTGCGCTACATGTTCTGCTCCATGGCCAGCGCCCTCATCGCGCTGTGCTGCGGTGGCCGT  
 CAGCCTACTCGACGGCAAATGCTTCCTCTGTGCCCTTCTGCACTGCCGTGCCCGTAGCGCACTGGGCAAC  
 GGCAGCCTGGCACCCGGCCTTCTGCCCGGAGCTCGCCCGCCTGCTGGCCCGGGTGCCTGCCCTGAGA  
 TCTACGATGGCGACTGGCTGTTGGCCCGAGAGGTGGCCGTGCGTTACCTCCGCTGCATCTCCAGGCGCT  
 GGGCTGGTCTTCTGCTGCTGACCACTCTGCTGGCATTCTGTTGCGCTCTGTGCGGCCCTGCTTACG  
 CAGGCCGCTTCTCAAGAGCAAGTACTGGTCCCACTATATCGACATCGAGCGCAAGCTCTTCGACGAGA  
 CGTGCACGGAGCACGCCAAAGCCTTTGCCAAGGTCTGCATCCAGCAGTCTTCGAGGCCATGAACCATGA  
 CCTGGAGCTGGGTACACCAACGGGACACTGGCCACGGCCCTGCTTCCGAGCTGCCCCACGACCCCG  
 GATGGTGGGAGGAGGAAAGGAGAAGCTGCGTGGCATCAGGATCAAGGCACCATGAACAGGCTGCTCA  
 CGAGCTGGCACAAATGCAAACCGCCTCTGCGGCTGGGCCAGGAGGCCACCGCTGATGGCAACGGCTG  
 GGCTGGGGTGGGCCCGCCTCCGCGTAAGGAGGTGGCCACCTACTTCAGCAAAGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206902 representing NM\_001001412  
 Red=Cloning site Green=Tags(s)

MMDKFRMIFQFLQSNQESFMNGICGIMALASAQMYSADFNCPCPLPGYNAAYSAGILLAPPLVFLGLV  
 MNNVSM LAEEWKRPGRRAKDPVLRVMFC SMAQRAL IAPVVVAVTLLDGKCF LCAFCTAVPV SALGN  
 GSLAPGLPAPELARLLARVPCPEIYDGDWLLAREVAVRYLR CISOALGWSFVLLTLLAFVVRSPFCFT  
 QAAF LKSKYW SHYIDIERKLFDETC TEHAKAFKVC IQQFF EAMNHDLELGHTNGTLATAPASAAAPTTP  
 DGAEEREKLRGITDQGT MNRL L TSWHKCKPPLRLGQEE PPLMGNGWAGGPRPPRKEVATYFSKV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001001412

**ORF Size:** 1038 bp

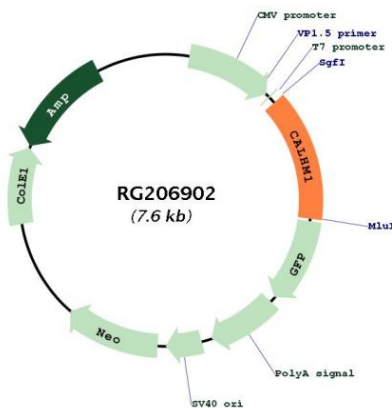
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_001001412.1</a> , <a href="#">NP_001001412.1</a>
RefSeq Size:	3099 bp
RefSeq ORF:	1041 bp
Locus ID:	255022
UniProt ID:	<a href="#">Q8IU99</a>
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]

## Product images:



Circular map for RG206902