

Product datasheet for RC231740

CALHM4 (NM_001256889) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CALHM4 (NM_001256889) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CALHM4
Synonyms: C6orf78; FAM26D
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231740 representing NM_001256889
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGATAATGTCAGTGCCAGCAAACGAGAAGAGATCCTAGCTGGTTCATGTTGCAGATCAGCTC
CTTCTGACGTGATCCTAGTAAGAGATGAAATAGCTCTTCTGCACAGATACCAGTCACAGATGCTGGGTTG
GATTTTGATCACCTTGGCAACCATTGCTGCCTTAGTCTCCTGCTGTGTGGCAAAGTCTGCTCTCCCCTC
ACCTCTCTGCAACATTGCTACTGGACCAGCCACCTCCAGAATGAGAGAGAACTCTTTGAACAAGCAGCAG
AGCAGCACTCTCGCTCCTCATGATGCATCGCATAAAGAAGCTATTTGGCTTCATTCCCGGGAGTGAAGA
CGTCAAACACATCCGCATTCTTCTTGTGACGACTGGAAAGATATTTAGTACCCACTCTTTATGCATG
GGTGATGACTTGAAGGTCACTATAGCTTCTTGGAAATAGGGTGGATGAGGATAATGAGGAAGACAGAT
CAAGAGGTATTGAATTAACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231740 representing NM_001256889
Red=Cloning site Green=Tags(s)

MFDNVSASKREEILAGFPCCRSAPSDVILVRDEIALLHRYQSQMLGWILITLATIAALVSCCVAKCCSPL
TSLQHCYWTSHLQNERELFEQAAEQHSRLLMMHRIKLFQGFIPGSEDVKHIRIPSCQDQDKDISVPTLLCM
GDDLQGHYSFLGNRVDEDNEEDRSRGIELKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6346_f07.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256889

ORF Size: 513 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:

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_001256889.1](#), [NM_001256889.2](#), [NP_001243818.1](#)

RefSeq Size: 1275 bp

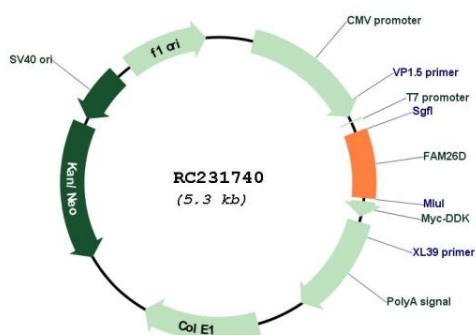
RefSeq ORF: 387 bp

Locus ID: 221301

UniProt ID: [Q5JW98](#)

Cytogenetics: 6q22.1
Protein Families: Transmembrane
MW: 19.5 kDa
Gene Summary: Pore-forming subunit of a voltage-gated ion channel.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231740