

Product datasheet for RC225514

CALHM3 (NM_001129742) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CALHM3 (NM_001129742) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CALHM3
Synonyms:	bA225H22.7; FAM26A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC225514 representing NM_001129742 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATAAATCCGCATGCTCTCCAGCACTTCCAGTCAAGCTCGGAGTCGGTGATGAATGGCATCTGCC
TGCTGCTGGCTGCGGTACCGTCAAGCTGTACTCCTTTGACTTCAACTGTCCCTGCCTGGTGCCTA
CAATGCACTCTACGGCCTGGGCCTGCTGCTGACGCCCGCTCGCCCTGTTTCTCTGCGGCCTCCTCGCC
AACCGGCAGTCTGTGGTATGGTCGAGGAGTGGCGCCGGCCCGCAGGGCACCGGAGGAAGACCCAGGCA
TCATCAGGTACATGTGCTCCTCTGTGCTGCAGAGGGCGCTGGCCGCCCCCTGGTCTGGATCCTGTGCG
CCTCCTTGACGGGAAGTCTTGTGTGTGCCTTCAGCAGCTCTGTGGACCCTGAGAAGTTTCTGGACTTT
GCCAACATGACCCCGAGCCAGGTACAGCTTCTCCTGGCCAAGGTTCCCTGCAAGGAGGATGAGCTGGTCA
GGGATAGCCCTGCTCGGAAGGCAGTGTCTCGCTACCTGCGGTGCCTGTACAGGCCATCGGCTGGAGCGT
CACCTGCTGTGATCATCGCGCCTTCTGGCCCGCTGCCTGAGGCCCTGCTTCGACCAGACAGTCTTC
CTGCAGCGCAGATACTGGAGCAACTACGTGGACCTGGAGCAGAAGCTCTTCGACGAGACCTGTGTGAGC
ATGCGCGGGACTTCGCGCACCGCTGCGTGTGCACTTCTTTGCCAGCATGCGGAGTGAGCTGCAGGCGCG
GGGGCTGCGCCGGGCAATGCAGGCAGGAGACTCGAGCTCCCGCAGTGCCTGAGCCCCAGAAAGCCCTG
GATAGTGAAGTGGGAAGGCCACCTGCGCGCAATCTCCAGCCGGAGCAGGTGGACCGCCTCCTAAGCA
CGTGGTACTCCAGCAAGCCCGCTGGACCTGGCTGCATCCCCGGGCTCTGCGGGGTGGCCTTAGCCA
CCGCGCCCTACCTTGGCACTGGGCACGAGGCTGTCAACACACCGACGTG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225514 representing NM_001129742
 Red=Cloning site Green=Tags(s)

MDKFRMLFQHFQSSSEVMNGICLLLAAVTVKLYSSFDNCPCLVHYNALYGLGLLLTPPLALFLCGLLA
 NRQSVVMVEEWRPAGHRRKDPGIIRYMCSSVLQRALAAPLVWILLALLDGGKCFVCAFSSSDPEKFLDF
 ANMTPSQVQLFLAKVPCKEDELVRDSPARKAVSRYLRCLSQAIGWSVTLLLIIAAFLARCLRPCFDQTVF
 LQRRYWSNYVDLEQKLFDETCCEHARDFAHRCVLHFFASMRSELQARGLRRGNAGRRLLELPAVPEPPEGL
 DSGSGKAHLRAISSREQVDRLSTWYSSKPPDLAASPGLCGGGLSHRAPTLALGTRLSQHTDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

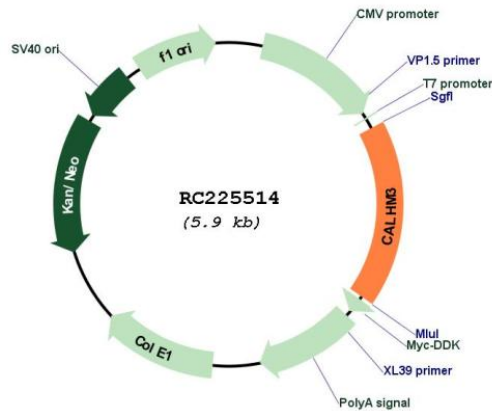
Chromatograms: https://cdn.origene.com/chromatograms/mk8006_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

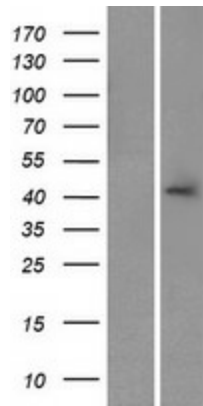


Plasmid Map:



ACCN: NM_001129742

ORF Size:	1032 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.
RefSeq:	NM_001129742.2
RefSeq ORF:	1035 bp
Locus ID:	119395
UniProt ID:	Q86XJ0
Protein Families:	Transmembrane
MW:	38.3 kDa
Gene Summary:	Pore-forming subunit of a voltage-gated ion channel.[UniProtKB/Swiss-Prot Function]

Product images:

Western blot validation of overexpression lysate (Cat# [LY427041]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225514 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).