

Product datasheet for **MC206314**

Camk1g (BC021840) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camk1g (BC021840) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Camk1g
Synonyms:	CLICK-III, MGC30513
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021840
 GGAGCAGGCTTGCTGGCCAAGATCACAGACTGGAGCACCTTTCTTGTGAGCCCCTGGCTTCTCAGGCAGC
 TTCAACTCTGGAGGACATGGGGCGTAAGGAGGAGGAGGACTGCAGTTCCTGGAAGAAACAGACCACCAAC
 ATCAGGAAAACCTTCATCTTTCATGGAAGTGCTGGGATCAGGAGCTTTCTCAGAGGTGTTCTCGGTGAAGC
 AAAGAGTGACTGGGAACTCTTTGCTCTGAAATGTATCAAGAAGTCACCAGCCTTCCGGGACAGCAGCCT
 AGAGAATGAGATCGCTGTGTTGAAAAGGATCAAGCATGAGAACATTGTGACCCTGGAGGACATCTATGAG
 AGCACCACCCACTACTACCTGGTCATGCAGCTTGTCTTGAGGTTGAGCTTTTGTGACCCGGATCCTAGAG
 GTGGTGTCTACACAGAAAAGGATGCCAGCCTGGTCATCCAGCAGGTCTTGTCTGCGGTGAAATACCTTCA
 TGAGAATGGCATCGTCCACAGAGATCTAAAGCCTGAAAACCTGTGTACCTCACCCCTGAGGAGAACTCC
 AAGATCATGATCACTGACTTTGGTCTATCCAAGATGGAGCAGAATGGAGTCATGTCCACAGCTTGTGGGA
 CCCCAGGCTACGTGGCTCCAGAAGTGCTGGCCAGAAGCCCTACAGTAAGGCTGTGGACTGCTGGTCCAT
 TGGTGTTCATCACATACATACTGCTGTGTGGCTATCCCCCTTTCTATGAAGAAACAGAATCAAAGCTTTT
 GAGAAGATCAAAGAGGGTTACTACGAGTTTGTGCTCCGTTCTGGGATGACATTTCTGAGTCAGCCAAGG
 ATTTTATTTGCCATCTGTGGAGAAGGACCCAAACGAACGGTACACCTGCGAGAAAGCCCTCAGACACCC
 CTGGATTGATGGAACACAGCCCTGCACCGGGACATCTATCCATCTGTCAGCCTCCAGATTCAGAAGAAC
 TTTGCCAAGAGCAAGTGAGGCAAGCCTTCAACGCAGCTGCGGTGGTGCATCACATGAGGAAACTGCACA
 TGAACCTGCACAGCCCCAGTGTCCGCCAAGAGGTGGAGAACAGGCCACCTGTGTCCCCTGCTCCTGAAGT
 CTCCAGACCAGACTCCCATGACAGCTCCATCACAGAGGCCCCATCCTGGACCAAGCACACCCCTTCT
 GCACTGACCCGACTACCTGTCTCACACAGCTCCCGGCCTTCAGCTCCCAGTGGTGGCCGCTCACTCAACT
 GCCTGGTCAACGGCTCCCTGCGCATCAGCAGTAGCCTAGTGCCCATGCAACAGGGGCCCTTAGCCACGGG
 GCCCTGTGGCTGCTGCTCCAGCTGTCTAAATATTGGGAACAAGGGAAAGTCTTCTACTGCTCTGAGCCT
 ACCCTCTCAGAAAGGCCAATAAAAAACAGAACTTCAAGTCAGAGGTGATGGTACCAGTGAAGGCTGGTG
 GCAGACCCACTGCCGGGTGGGCAGACTGGGGTGTGTCTCGTTATGTGATCCAGGAGCCCATGTGGTT
 TTCAGGAGACATTCTGGCTCTTCTGCTCTCTGAGCTGGCATCTGCCCTGAGGAAGGGGGCAGTGG
 AATAGAGATAGCCAAAGCAGCTGGTCTGAGGCAGTAGGGCTGTTGCTGCCTGGGAGACTCACAGGAA
 GTCCAGAGGAGCCAGCCCAATCTTGGACGTTCTCTGAGGCCACAAGCAGGATGAGTGGCCTGCCTGCCT
 CCAGCATCCCAGCTCCAGGTCTCCGACCTGCCATTCCCTTCCCACATCATACGTGCAGTGGCTCCA
 TGCAGTGTCCATAGATAGTGTCTCTGGGTCCGTGTTGTTTGTGTGAAAAGCTTATGGGCTGGCCAG
 GCTGTGCTACTTTCTTCAAGCAAAGCCATATGGAGTCTAACTCAGACTCCCTGCTCTGCAGACTCGCTCC
 TGCTATCTGGCCTCACGGCCAGACTGGACCCATTATCATAGTACCTGCCTATTCGCATGAATGCCAGGC
 TGCACCAGGGCCTGGGAGCACTCAACTCCAGTCCGTTCTCCAGGATTAGCTTCCCCTGCACGGAG
 ACCCAGGCCACTCAAAGCTCTCCTTGCTCCATCTCACAGCAGTGCCCCCATCTCCATGGTGGACTAG
 AGAAAGCTGTGACTATGGACTGTGAGCCTTCTCTCCCTGTGGCCACACACCTCATATATCCCTAATTA
 GGATTCGGGGACTATTTCCATGTCCAGGTCTCCTGCCTCTGGCTCCCTCCCTTCCCCTGAAAGTCAG
 GTGCATTGTTCTGCTCTCTGTGTTCTTGCCTCATACCCTCAAGCTTCGTGCTCTGTGTTGTGCTCAAAT
 AAAATGGACATATTTTCTCTAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC021840

Insert Size: 1434 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).

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: [BC021840](#), [AAH21840](#)

RefSeq Size: 2416 bp

RefSeq ORF: 1434 bp

Locus ID: 215303

Cytogenetics: 1 97.74 cM

Gene Summary: Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates transcription factor CREB1.[UniProtKB/Swiss-Prot Function]