

Product datasheet for **MC201304**

Camkk1 (NM_018883) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camkk1 (NM_018883) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Camkk1
Synonyms:	A1846603; Camkk; CaMKKalpha
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC017529 sequence for NM_018883
 CTAGCCCCGGAAGGCGGGCAGGGCGGGCGCGCACAGCGGGAGCGAGCCTGGTGCCACCCGAGAGACTG
 TCGCCAGGTGCCTAGGTTCCCAACAAGTTCTACAGACTGTCTGCTGACTGGAGTGATGGAGAGTGGCCC
 AGCCGTCTGCTGCCAAGACCCTCGTGCAGAGCTGGTGGATCGGGTGGCGGCCATCAATGTGGCCACTTG
 GAAGAAGCAGATGAGGGTCCAGAGCCTGCCAGGAATGGTGGATCCTCCACCCCGGGCCAGAGCTGCCT
 CCGTGATCCCTGGCAGTGCTTCAAGACCCACTCCAGTGCGCCCCAGCCTCTCGGTAGAAAGTTCTCCCT
 GCAGGAACGACCAGCTGGAAGCTGTCTGGGGGCTCAAGTTGGCCTTACTCTACAGGACCTGCCAGTCAC
 ATCTCTCCTCGGTCTGGCGGAGACCCACCATCGAGTCCACCCGTGTGGCCATCTCAGACACAGAGGACT
 GTGTGCAACTGAACCAAGTACAAGCTGCAGAGTGAGATTGGCAAGGGTGCCTATGGTGTGGTGAAGCTGGC
 CTAACAAGAAAAGTGAAGACAGACACTATGCAATGAAAAGTTCTTTCCAAAAAGAAGTTACTGAAGCAGTAT
 GGCTTTCTCGCCGTCTCCCCCAGAGGGTCCCAAGCTACCCAGGGAGGGCCAGCCAAACAGCTGCTGC
 CCCTGGAGCGTGTATCAGGAGATTGCCATTCTAAAGAAGCTGGACCACGTGAATGTAGTCAAATTGAT
 CGAGGTCCTGGATGATCCCGCTGAAGACAACCTCTATTTGGTGTTCGACCTCCTGAGAAAAGGGCCAGTC
 ATGGAAGTGCCCTGCGACAAGCCCTTCCAGAGGAGCAAGCTCGCCTCTACCTCCGGGACATCATCTGG
 GCCTCGAGTACTTGCAGTCCAGAAAGATTGTCCACAGGGACATCAAGCCATCTAACCTACTCCTTGGGGA
 CGACGGGCATGTGAAGATCGCCGACTTTGGTGTCAAGTAAACAGTTTGGAGGGAATGATGCTCAGCTGCC
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 AGGCCTTGGATGTATGGGCCACTGGGGTACGCTATATTGCTTTGTCTATGGGAAGTGCCCGTTCATTGA
 TGACTACATCCTGACCCTGCACCCTAAGATCAAGAATGAGGCCGTGGTGTCCCTGAGGAGCCAGAGGTC
 AGCGAGGACCTCAAAGACCTGATCCTGAGGATGCTAGACAAGAATCCTGAGACAAGAATTGGGGTGTGAG
 ATATCAAGTTACACCTTGGGTGACCAAGCATGGAGAGGAGCCCTCCCTTCCAGAGGAGGAGCACTGCAG
 TGTGGTGGAGGTGACCGAGGAAGAGGTGAAGAAGTCAAGTCAAGGCTCATCCCCAGCTGGACCCTGTGATC
 CTGGTCAAGTCTATGCTGAGAAAAGCGTTCCTTTGGAAACCCATTGAGCCCAAGCAGCAGGGAAGAAA
 GATCCATGTCTGACCAGGAAGCTTACTGATGAAAGAAGGATGCGGAGAAGGGTGCAAAAGCCAGAGCT
 TCCCGGAGTCCAGGAGGATGAGGCTGCGTCTGAGTCCCTGCATGTGCCAGGGCCGTGCGCAGCATGCT
 CATTCCGCACCTCCAGAGGCCACCGCCCTCATGCAATAGTCGCCCTGCAGGCAGGGGGCTGGGGACCG
 CAGCCCCCTCCTGGCCCCCTCACCCATTGTGCTGCATGACCTGCGCACAGGCACATCCAGGGACAGGA
 TTGGAATGTGTGCATCTGGGGCTTGGGGTCCCAGTTGGTCTCTGTCTGAATCATCTTGCAGGGA
 ATATTAGAAACCCTACCTGACTGGCTGGTGAAGGCCAGGGGAGAAGGCAAGAGATCAAAAATGGCAGGTAG
 AGACCTGGTGGGCTGCTTCTTAGAGAACGCCATAGGGATTGGTGGCCCCCAGCTGGTGCACACAAGG
 AGGGCGATTGCCCTCACCTCTGTGTGGAAGGTGCTGAGTGTGGCGTACTCAGATCTCTAGCGTGGATGCT
 ACGGATAATGGCACGTGCCTGGGAGCAGACTCACCTTGGAGAATCCAGATTCCCTCTTTCATTGTCTTTTA
 CCTGAGGGCTGGGGTGGGAGCAGCTGTCGTGGGGAGCATCTTCTCTGGTTCAGGTAGTCCCTGGCACA
 CTGTTTGGCAGTCATCTGGACTTGACATTCATGGACTGTGTTTTATACTCTGCACCTTGGCGGAGAAAAGG
 CTGAAGTGGATGCAGCTCAGAGCATAGGCCAGAGCCAGAGCAGTGTACTTTGCCTGTCAGCCTCCCTTC
 CTGTCTTATGGATCTCCGGAATGAAGGGTACAGAATACCAGCAGTGACAAGGAGGGTTCATGACTCTCAGA
 ACTGTGGCCCCGAGATGTGGAAGTAACTGGGATCCAGGCTCTGAGCCGACGCTGGCTTACTCACCAT
 GCCTATGATGAAGATAAACTGCCCGGGTGGGAGGCAGGTGGCCCTTCTGCCAGTTGCTTCAAGTTAAGGG
 CATCAGACGGTCAGCCACACAGGTGAGAGCTGCACACAATTGGGACACCCATGGACAATGCCCTCCAGA
 ACAGATGTCAGTCTCTGGATTCTGTGGTCTGCTGGCTATTCTAATGTTTACGAATAATGCTCATAGGGA
 TTGGTCCCAAGGGAGATGAGCAGGACTCAGGTAGCCCTCTCTGAAAGCCTCCCGAAGAGATCCTGGC
 TGCCCACTTGGGTTTTCAGAAATGCAGGAAGGCTGGACTAGAAAAGAGGCCGGGTAGGAGCACTGGTTCCCA
 CTGTATCTCTGTGCCATGGGTGTACATTGCTCCTTATGTGCACATGCGTGTGCGTGCCCATCTGCTGT
 ATACAGCACACTTGCATGTCTCATACTGGCACATGCATCTGTAATATAGTTTCTACATCAACTTATGCCT
 AGGAGCAGCAGGTAGCCCACTGTCAAAGGGCTCCCATTTCAACCCAACTCCTCTGCACTAAGGCAGCCAA
 TGGAACCCAGGGCTTGAACCAAAACCATCTAATCTATCTCTAAGAATACTTTTATAGAGTGACTGGGAG
 GCAAGCTAAATACCAACCAGTAAATAACAAGGAGTCAGGGAGCTTCGTGGATGGGACCCACATGGGAGAA
 GCTGTGAGTTGGGTGGCTGGCCTCATTGACCCAGTGGAGCCAGGAAGTATGCTCACTGTTGCCTGTTG
 CTGAGAGCTTTGGTTGGCTTTGGTTGTGATTGTAGCACAAGTGAACAACTCCATAAGAGTGTTTATAAAA
 ACTTAACCTTTAGGAAGTGAATTACAACAATAAAAAGCCCTTTGTTGAGTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN:	NM_018883
Insert Size:	1518 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:	<ol style="list-style-type: none">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:	BC017529 , AAH17529
RefSeq Size:	3435 bp
RefSeq ORF:	1518 bp
Locus ID:	55984
UniProt ID:	Q8VBY2
Cytogenetics:	11 B4
Gene Summary:	Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death. [UniProtKB/Swiss-Prot Function]