

Product datasheet for **RN213716**

Camkk2 (NM_031338) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camkk2 (NM_031338) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Camkk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213716 representing NM_031338
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCATGTGTCTCTAGCCAGCCCACCAGCGACCGGGCGGCCCCCCAGGATGAGCTGGGAAGCGGGG
 GTGTCAGCCGGGAAAGCCAGAAGCCCTGCGAGGCACTGCGGGACTCTCATCCTTAAGCATCCACTTGGG
 CATGGAATCCTTCATCGTGGTCACCGAGTGTGAACCAGGCCGGGGCGTGGACCTCAGCCTGGCCAGAGAC
 CAACCTCTGGAGGCCGATGGCCAGGAACCTCCCTCTGGATGCCTCGGAACCTGAGTCACGGTCCCTGCTTT
 CTGGTGGCAAGATGTCCCTCCAGGAGCGGTCCCAGGGCGGGCGTCCAGCAGCAGCCTGGACATGAA
 TGGACGCTGCATCTGCCATCCCTGTCTACTACCAGCCAGCTCCACAGTCCCTCCCCGGATGCC
 CGGCGGCCACAGTGGAGTCGCACCACGTCTCCATCACGGTTTGCAGGACTGTGTGCAGCTGAATCAGT
 ACACGCTGAAGGATGAAATTGAAAAGGGCTCCTATGGCGTTGTCAAGCTGGCCTACAATGAAATGACAA
 TACTTATTATGCAATGAAAGTGTGTCCAAAAAGAAGCTGATCCGACAGGCCGGCTTCCACGTCGCCCC
 CCACCTCGAGGACTCGCCAGCTCCAGGGGGTGCATCCAGCCAGGGGCCCATCGAGCAGGTGTATC
 AGGAAATTGCCATCCTCAAGAAGCTGGATCACCCAACTGGTGAAGCTGGTGGAGGTCCTGGATGACCC
 TAACGAGGACCATCTGTACATGGTGTGTTGAACTGGTCAACCAAGGGCCTGTGATGGAAGTCCCACCCCTC
 AAGCCACTGTCTGAAGACCAGGCCCGGTTCTACTTCCAAGATCTGATCAAAGGCATTGAGTACTTACACT
 ACCAGAAGATCATTACCCGGGACATCAAACCTCCAACCTCCTAGTGGGGGAGGACGGGCACATCAAGAT
 AGCCGACTTCGGCGTGAGCAATGAGTTCAAGGGCAGCGACGCTTGTGTCTAACACCGTGGGCACGCCT
 GCCTTCATGGCGCCCGAGTCGCTCTCAGAGACCCGGAAGATCTTCCGGAAAGGCCTTGGATGTTTGGG
 CCATGGGTGTGACTATACTGCTTTGTTTTGGCCAGTGCCTTTCATGGATGAACGAATCATGTGTTT
 GCACAGTAAGATCAAGAGTCAGGCCCTGGAGTTTCCAGACCAGCCTGACATAGCCGAAGACTTGAAGAT
 CTGATCACCCGGATGTTGGACAAGAACCAGAGTCCAGGATTGTGGTGCCTGAAATCAAGCTGCACCCTT
 GGGTCACGAGGCACGGGGCCGAGCCACTGCCGTGCGAGGACGAGAACTGCACACTGGTCGAGGTGACCGA
 AGAGGAGGTGAGAAATTCAGTCAAACACATTCCCAGCCTGGCAACTGTGATCCTAGTGAAGACCATGATT
 CGGAAACGGTCTTTTGGGAACCCATTTGAAGGTAGCCGGCGGGAGGAGCGTTCTTGTGCAGCACCCGGAA
 ACCTGCTCACAAAAACCAACCAGGGAGTGGGAGCCCTTGTCTGAGCCCAAGGAAGCAAGGCAGCGAAG
 ACAGCCTCCGGGGCCAGAGCCAGCCCTGTGGGGGAGGAGGAAGTGTCTTGTGAAAGGTGGTCCCTGC
 GTGGAAGTTGCGGGGCTCCGGCCCTGGCTCCCGCCACGCACGCCTCCACAGCAGCCGAGGAGGCCA
 TGGAGCCGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031338
- Insert Size:** 1764 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: [NM_031338.1](#), [NP_112628.1](#)

RefSeq Size: 2132 bp

RefSeq ORF: 1764 bp

Locus ID: 83506

UniProt ID: [O88831](#)

Cytogenetics: 12q16

Gene Summary: calmodulin-dependent kinase kinase; involved in activating Cam-dependent kinase IV [RGD, Feb 2006]