

Product datasheet for **RN209979**

Camkk1 (NM_031662) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camkk1 (NM_031662) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Camkk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209979 representing NM_031662
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCGCAGTCCAGCCGTCTGCTGCCAAGACCCTCGAGCGGAAGTGGTAGAGCGGGTGGCAGCCATCA
 GTGTGGCCACCTAGAAGAGGCAGAGGAGGGCCAGACCTGCCAGCAATGGTGTGGACCCCCACCCCG
 GGCCAGAGCTGCCTCTGTGATCCCTGGCAGTGCTTCAAGACCCACACCAGTGCCTCCAGCCTCTCTGCT
 AGAAAGTTCTCCCTGCAGGAAAGACCAGCGGGAAGCTGTCTAGAGGCTCAGGTTGGGCCTTACTCTACAG
 GACCTGCCAGTCACATGTCTCCTCGGGCTTGGCGGAGACCCACCATCGAGTCCCACCATGTGGCCATCTC
 AGACACAGAGGACTGTGTGCAACTGAACCAGTACAAGTGCAGAGTGAGATTGGCAAGGGTGCCTATGGT
 GTGGTGAAGCTGGCCTACAATGAAAGGGAAGACAGACTATGCAATGAAAGTTCTTTCCAAAAAGAAGT
 TACTGAAGCAGTATGGCTTTCCTCGCCGCTCCTCCCGGAGAGGGTCCCAAGCTCCTCAGGGAGGGCCAGC
 CAAACAGCTGCTGCCCTGGAGCGTGTATACCAGGAGATTGCCATTTAAAGAACTGGACCACGTGAAT
 GTAGTCAAGTTGATCGAGGTCCTGGATGATCCTGCTGAAGACAATCTCTATTTGGTGTGGTACCTCCTGA
 GAAAGGGACCAAGTCATGGAAGTGCCTGCGACAAGCCCTCCAGAGGAGCAAGCTCGCCTCTACCTCCG
 GGACATCATCCTGGGCTCGAGTACTTGCCTGCCAGAAGATTGTGCACAGGGACATCAAGCCGTCCAAT
 CTGCTCCTTGGGACGATGGGCACGTGAAGATCGCCGACTTTGGTGTGAGCAACCAGTTTGGGGGAATG
 ATGCTCAGCTGTCCAGTACGGCAGGGACCCAGCATTATGGCCCGGAGGCCATCTCTGACACCGGCCA
 GAGCTTCAAGTGGGAAGCCCTTGGATGTATGGGCCACTGGGGTTACACTGTATTGTTTGTCTACGGGAAG
 TGCCCATTCATTGATGAGTACATCCTGGCCCTGCACAGAAAGATCAAGAATGAGGCCGTGGTGTTCCTG
 AGGAGCCGGAGGTCAGCGAGGAACTCAAAGACCTGATCCTGAAGATGCTAGACAAGAATCCTGAAACAAG
 AATTGGGGTGTCTGATATCAAGTTACACCTTGGGTGACCAAGCATGGAGAGGAGCCCTCCCTTCAGAG
 GAGGAACACTGCAGTGTGGTAGAGGTGACTGAGGAGGAGTGAAGAAGTCAAGCTCATCCCCAGCT
 GGACCACTGTGATCCTGGTCAAGTCTATGCTGAGAAAGCGTTTCTTTGAAACCCATTTGAGCCCAAGC
 ACGCAGGGAAGAAAGATCTATGTCTGCGCCAGGAACTTACTGTTGAAAGAAGGATGTGGAGAAGGGGGC
 AAAAGCCAGAGCTTCCCGGAGTCCAGGAAGATGAGGCTGCATCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031662
- 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:

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_031662.1](#), [NP_113850.1](#)

RefSeq Size: 3411 bp

RefSeq ORF: 1518 bp

Locus ID: 60341

UniProt ID: [P97756](#)

Cytogenetics: 10q24

Gene Summary: catalyzes the activation of Ca²⁺/calmodulin-dependent protein kinases CaM-kinases I and IV [RGD, Feb 2006]