

Product datasheet for **RN210931**

Camk1g (NM_182842) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camk1g (NM_182842) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Camk1g
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210931 representing NM_182842
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGAAAGGAGGAGGAGGACTGTAGCTCCTGGAAGAAACAGACCACCAACATCAGGAAAACCTTCA
 TCTTCATGGAAGTGCTCGGATCAGGAGCGTTCTCAGAGGTGTTCTGGAAGCAAAAGAGTGACTGGGAA
 ACTCTTTGCTCTGAAGTGCATCAAGAAAGTCAACAGCCTCCGGGACAGTAGCCTAGAGAATGAGATTGCT
 GTGTTGAAAAGGATCAAGCATGAAAACATTGTGACCCCTGGAGGATATCTATGAGAGCACCACCCACTACT
 ACCTGGTCATGCAGCTTGTCTGGAGGTGAGCTTTTGGACCGAATCCTAGAGCGTGGTGTCTACACAGA
 AAAGGATGCCAGTCTGGTCATCCAGCAGGTCTGTCTGCCGTGAAATACCTTCATGAGAATGGCATCGTT
 CACAGAGATCTAAAGCCTGAAAACCTGCTGTACCTCACCCCTGAGGAGAACTCCAAGATAATGATCACTG
 ATTTTGGCCTATCCAAGATGGAGCAGAATGGAGTCATGTCCACAGCTTGTGGGACCCAGGCTATGTGGC
 TCCAGAAGTGCTGGCCAGAAGCCCTACAGTAAGGCTGTGGACTGCTGGTCCATTGGTGTATCACATAC
 ATACTGCTGTGTGGGTATCCCCCTTCTATGAAGAAACAGAATCAAAGCTTTTGAAGAAGATCAAAGAGG
 GTTACTACGATTTGAGTCTCCATTCTGGGATGACATTTCTGAGTCAGCAAGGACTTTATTTGCCATCT
 GCTTGAGAAGGACCCAAATGAACGATACACCTGCGAGAAAGCCCTCAGACACCCTTGATTGACGGGAAAC
 ACAGCCCTGCACCGGGACATCTACCCATCTGTCAGCCTCCAGATTCAGAAGAAGTTTGCCAAAGAGCAAGT
 GGAGGCAAGCCTTCAATGCGGCCCGCTGGTGCACCACATGAGGAAACTACACATGAACCTGCACAGCCC
 CAGTGTCCGCCAAGAAGTGGAGAACAGGCCACCTGTGTCCCTGCTCCGAAGTCTCCAGACCAGGCTCC
 CATGACAGCTCCATCACAGAGGCTCCCATCCTGGACCCAAGCACACCCCTTCTGCACTGACCCGACTTC
 CCTGCTCGCATAGCTCTCGGCCCTTCAGTCTCTGGTGGCCGCTCACTCAACTGCCTGGTCAACGGTTCTCT
 GCGCATCAGCAGTAGCCTAGTGCCCATGCAACAGGGTCCCTAGCCACGGGGCCCTGCGGCTGCTGCTCC
 AGCTGTCTAAATATAGGGAAACAAGGAAAGTCTTCTATTGCTCTGAGCCTACCCTCTTCAGAAAAGCCA
 ACAAAAAACAGAAGTCAAGTCAAGTCAAGGTCATGGTACCAGTCAAAGCAGGTGGCAGCACCCACTGCCGGG
 TGGCAGACTGGGTGTCTCATAAT**GTGA**

ACGGTACGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_182842

Insert Size: 1431 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_182842.1](#), [NP_878262.1](#)
RefSeq Size: 2367 bp
RefSeq ORF: 1431 bp
Locus ID: 171358
UniProt ID: [Q7TNJ7](#)
Cytogenetics: 13q27
Gene Summary: a brain specific isoform of calcium/calmodulin-dependent protein kinase [RGD, Feb 2006]