

Product datasheet for RN214437

Camk1 (NM_134468) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camk1 (NM_134468) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Camk1
Synonyms:	Camki; Gaip
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214437 representing NM_134468 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCAGGGGCAGTGAAGGCCCCAGGTGGAAGCAGGCAGAAGACATTAGGGATATTTAGACTTCAGGG
ATGTTCTGGGCACGGGTGCCTTCTCAGAAGTGATCCTGGCAGAGGACAAGAGGACTCAGAACTGGTGGC
CATCAAATGCATTGCCAAGAAGGCCCTGGAGGGCAAAGAAGGCAGCATGGAGAATGAGATCGCCGCTTA
CACAAGATCAAGCACCCCAACATTGTAGCCCTGGATGACATCTATGAGAGTGGGGCCACCTCTACCTCA
TCATGCAGCTGGTTTCAGGTGGAGAGCTGTTTGACCGAATTGTGGAGAAAAGGATTCTACACAGAACGGGA
TGCCAGCCGCCTCATCTCCAGGTGCTGGATGCTGTAAGTACCTGCACGACCTGGGCATTGTGCACCGG
GATCTCAAGCCAGAGAACCTGCTATACTACAGTCTGGATGAAGACTCCAAAATCATGATCTCTGACTTTG
GCCTCTCCAAGATGGAGGACCCAGGCAGTGTGCTCTCCACAGCCTGTGGGACTCCAGGATATGTGGCCCC
TGAGGTCTGGCCAGAAGCCCTACAGCAAGGCCGTGGACTGCTGGTCCATAGGAGTCATTGCCTATATA
CTGCTCTGTGGCTACCCGCCGTTCTATGATGAAAATGATGCCAACTTTTTGAACAGATTTTGAAGGCTG
AGTATGAGTTTGACTCTCCTTATTGGGACGACATCTGACTCTGCCAAAGATTTTCATACGTCATTTGAT
GGAGAAAGACCCAGAGAAGAGGTTACCTGTGAGCAGGCTTGCAGCACCCCTGGATTGCAGGAGACACA
GCTCTGGATAAGAATATCCACCAGTCAGTGAGTGAGCAGATCAAGAAGAAGCTTTGCCAAGAGCAAGTGGA
AGCAAGCTTTCAATGCTACCGCTGTGGTTCCGCACATGAGGAAGCTGCAGCTGGGCACCAGCCAGGAGGG
ACAGGGACAGACAGCTAGCCACGGAGAGCTGCTGACACCCACAGCTGGGGGGCCAGCAGCTGGCTGCTGC
TGTGAGACTGCTGTGTGGAGCCAGGCTCAGAAGTCCCCCTGCACCACCCCAAGCTCTAGGGCCATGG
ACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_134468
Insert Size:	1125 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:	<u>NM_134468.1, NP_604463.1</u>
RefSeq Size:	1439 bp
RefSeq ORF:	1125 bp
Locus ID:	171503
UniProt ID:	<u>Q63450</u>
Cytogenetics:	4q42
Gene Summary:	activated by NMDA receptor induction and by glutamate; depolarization-induced activation is inhibited by nifedipine [RGD, Feb 2006]