

Product datasheet for **RR202323**

Camk1d (NM_001107365) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Camk1d (NM_001107365) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Camk1d
Synonyms: RGD1560691
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202323 representing NM_001107365
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCCCGGGAGAACGGCGAGAGCAGCTCCTCCTGAAAAAGCAAGCGGAAGACATCAAGAAGATCTTCG
AGTTCAAGGAGACCTCGGAACCTGGGCCCTTTTCTGAAGTTGTGTTAGCTGAAGAGAAAGCAACGGGGAA
GCTCTTTGCAGTGAAGTGCATCCGAAGAAGGCGCTGAAGGGCAAAGAGAGTAGCATCGAGAACGAGATT
GCCGTGCTTAGAAAGATTAAGCATGAAAACATTGTGGCCTTGAAAGATATTTACGAAAGCCGAACCACC
TCTACCTGGTCATGCAACTTGTGTCTGGTGAGAACTCTTTGATCGGATAGTGGAGAAGGGATTTACAC
AGAGAAAGATGCCAGCACTCTCATCCGCCAGGTCTGGATGCTGTGACTATCTCCACAGAATGGGCATT
GTCCACAGGGACCTCAAGCCAGAAAACCTTGTACTACAGTCAAGACGAGGAGTCCAAAATAATGATCA
GTGACTTTGGCTTGTCAAAAATGGAGGGCAAAGGAGACGTGATGTCTACGGCTGCGGAACCCGGGCTA
TGTTGCGCCAGAAGTTCTTGCCCAAGCCGTACAGCAAAGCGGTTGACTGCTGGTCTATTGGGGTGATC
GCCTATATCCTGCTCTGTGGTTACCTCCTTTTTATGATGAAAATGACTCGAAGCTGTTGAACAGATCC
TCAAGGCAGAATATGAGTTTGATTCCCCCTACTGGGATGACATCTCCGACTCTGCAAAAGACTTCATTCCG
GAATCTGATGGAGAAAGACCCAAAATAAAGATACACCTGTGAGCAGGCAGCTCGACACCCATGGATCGCT
GGTGACACAGCCCTCAGCAAAAACATTCACGAATCTGTGAGTCCGAGATCCGGAAGAATTTGCAAAAGA
GCAAAATGGAGACAAGCGTTAATGCCACGGCCGTGAGACATATGCGGAGGCTACAGCTCGGCAGCAG
CCTGGACAGCTCAAATGCAAGTGTCTCAAGCAACCTCAGTTTGGCCAGCCAAAAGATTGTCTGGCACCT
TCCACGCTCTGTAGTTTCTTTCTTCTTCGTCGGGGTTCGAGGAGTCCGAGCTGAGAGGAGACCCAGGC
CCACCACTGTGACAACAGGCACACTGGAAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202323 representing NM_001107365
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MARENGESSSSWKKQAEDIKKIFEFKETLGTGAFSEVLAEEKATGKLFVAVKICIPKALKGKKESSIENEI
 AVLKRIKHENIVALEDIYESPNHLYLVMQLVSGGELFDRIVEKGFYTEKASTLIRQVLDAVYYLHRMGI
 VHRDLKPENLLYYSQDEESKIMISDFGLSKMEGKGDVMSTACGTPGYVAPEVLAQPKPYSKAVDCWSIGVI
 AYILLCGYPPFYDENDSKLFEQILKAEYEFDSPYWDDISDSAKDFIRNLMKDPNKRYTCEQAARHPWIA
 GDTALSKNIHESVAQIRKNFAKSKWRQAFNATAVVRHMRRLLQGLSSLDSSNASVSSNLSLASQKDCCLAP
 STLCSFLSSSSGVAGVGAERRPRPTTVTTGHTGSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

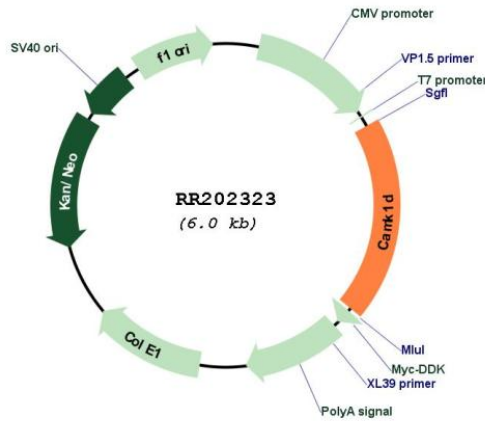
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107365

ORF Size:	1155 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001107365.1 , NP_001100835.1
RefSeq Size:	4597 bp
RefSeq ORF:	1158 bp
Locus ID:	307124
Cytogenetics:	17q12.3
MW:	42.9 kDa