

Product datasheet for **MR208233**

Camkv (NM_145621) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camkv (NM_145621) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Camkv
Synonyms:	1G5; BB074618; BC017634
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208233 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTTGGGTGTGTGACTCTGGGTGACAAGAAGAACTATAACCAGCCATCGGAAGTGACTGACAGAT
 ATGACCTGGGACAAGTCATCAAGACTGAGGAGTTCTGTGAAATCTCCGGGCAAGGACAAGACAACGGG
 CAAGCTGCACACCTGTAAGAAGTTCCAGAAGCGTGATGGCCGCAAGGTGCGGAAGGCAGCAAGAACGAG
 ATTGGAATCCTCAAGATGGTGAAGCACCCCAACATCCTGCAGCTGGTAGATGTGTTTGTGACCCGCAAGG
 AATACTTCATCTTTCTGGAGCTGGCCACGGGGAGGGAGGTGTTTGACTGGATCCTGGACCAGGGCTACTA
 CTCGGAGCGAGACAGCAACGTGGTGCAGCAGGTCTTGAGGCTGTGGCTACTTGCCTCGCTCAAG
 ATTGTGCACAGGAACCTCAAGCTGGAAAACCTAGTGTACTACAACAGGCTGAAGAACTCAAAGATTGTCA
 TCAGCGACTTTCACCTGGCTAAGCTAGAGAATGGCCTTATCAAGGAGCCCTGTGGAACCCCGGAGTATCT
 GGCACCAGAAGTGGTAGGACGGCAACGGTACGGTCCGCTGTAGACTGTTGGGCCATTGGCGTCATCATG
 TATATCCTGCTTTCAGGCAACCCGCCCTTCTACGAGGAGGTGGAAGAAGTACTATGAGAACCACGATA
 AGAATCTCTCCGAAGATCCTGGCTGGTACTATGAGTTTGACTCTCCGTACTGGGACGATATTTCTCA
 AGCAGCCAAAGACCTGGTACCAGGCTGATGGAGTGGAGCAAGACCAGCGGATCACCGCAGAAGAGGCC
 ATCTCCCACGAATGGATTTCCGGCAACGCGGCTTCTGATAAGAACATCAAGGATGGCGTCTGTGCCCAGA
 TTGAGAAGAACTTTGCCAGAGCAAGTGGGAAGAAGGCTGTCCGAGTGACCACTCTCATGAAGCGGCTCCG
 GGCACCAGAGCAGTCTGGAACAGCGCGGACCCAGTCTGCTTCAGACGCTGCCACTCCTGGGGCTGCTGGT
 GGGGCCATCGCTGCTGCAGCTGCAGCTGCAGTGCAGTGGAGCTGCCTCAGCCTCTGGGCCAGTGCTA
 CTGCAGCCACAGAGGGTGGTGTGGTGTGCTGCCAAGAGCGATGACATAGCCTCTGCAGATCGTAGTGC
 TACACCACCCACAGATGGCAGCGCCACTCCAGCCACAGATGGCAGCGTCAACCCAGCCACGGATGGCAGC
 ATCACCCAGCCACTGACGGGAGTGTACTCCAGCTACTGACAGAAGCGCTACACCAGCTACTGATGGCA
 GAGCCACACCAGCCACAGAAGAGAGCACAGTGCCCGCCACTCAAAGCAGTGCCCTGCCAGCTGCAAAGGC
 AGCAGCCACCCCTGAGCCGGCTGTGGCCAGCCGACAGCACAGCCCTAGAGGGTGCCACAGGCCAGGCT
 CCACCCTAGTAAAGGAGAAGAGGCTACTGGATGTGCCAGGAGTCTCAGAGGGTGGAGACGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

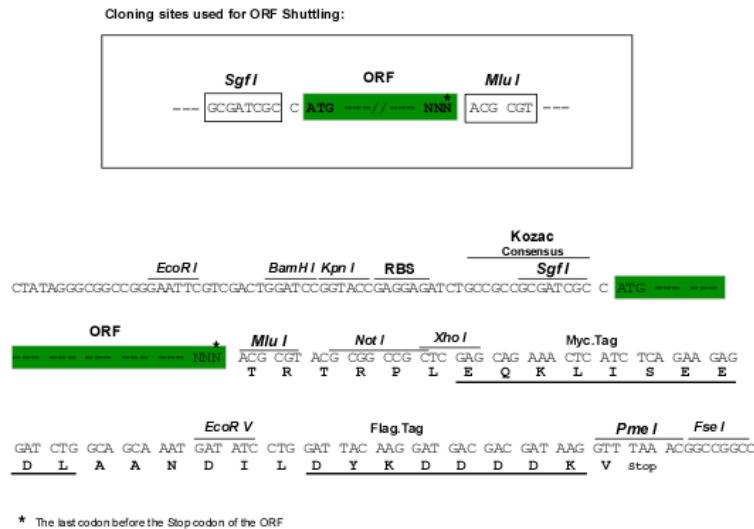
>MR208233 protein sequence
 Red=Cloning site Green=Tags(s)

MPFGCVTLGDKKNYNQPSEVTDYDLGQVIKTEEFCEIFRAKDKTTGKLHTCKKFQKRDGRKVRKAAKNE
 IGILKMKVHPNIIQLVDFVTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVRQVLEAVAYLHSLK
 IVHRNLKLENLVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPEYLAPEVVGRQRYGRPVDCWAIQVIM
 YILLSGNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSFYWDDISQAAKDLVTRLMEVEQDQRITAEAA
 ISHEWISGNAASDKNIKDGVCQIEKNFARAKWKKAVRVTTLMKRLRAPEQSGTAATQSASDAATPGAAG
 GAIAAAAAAAAAAGGAASASGASATAATEGGAGCAAKSDDIASADRSATPATDGSATPATDGSVTPATDGS
 ITPATDGSVTPATDRSATPATDGRATPATEESTVPATQSSALPAKAAATPEPAVAQPDSTALEGATGQA
 PPSSKGEEATGCAQESQRVETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_145621

ORF Size: 1539 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:

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_145621.2](#), [NP_663596.1](#)

RefSeq Size: 3031 bp

RefSeq ORF: 1539 bp

Locus ID: 235604

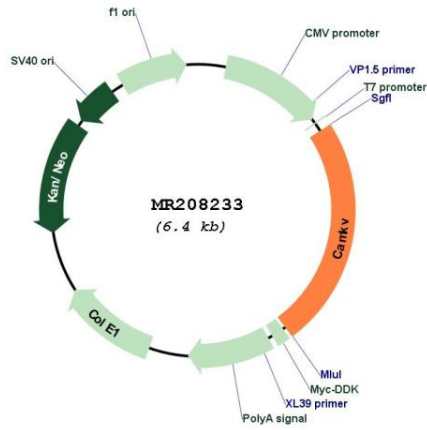
UniProt ID: [Q3UHL1](#)

Cytogenetics: 9 F1

MW: 54.8 kDa

Gene Summary: Does not appear to have detectable kinase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208233