

Product datasheet for **MG208233**

Camkv (NM_145621) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camkv (NM_145621) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Camkv
Synonyms:	1G5; BB074618; BC017634
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208233 representing NM_145621
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGTTTGGGTGTGTGACTCTGGGTGACAAGAAGAACTATAACCAGCCATCGGAAGTGACTGACAGAT
 ATGACCTGGGACAAGTCATCAAGACTGAGGAGTTCTGTGAAATCTTCCGGCCAAGGACAAGACAACGGG
 CAAGCTGCACACCTGTAAGAAGTTCCAGAAGCGTGATGGCCGCAAGGTGCGGAAGGCAGCCAAGAACGAG
 ATTGGAATCCTCAAGATGGTGAAGCACCCCAACATCCTGCAGCTGGTAGATGTGTTTGTGACCCGCAAGG
 AATACTTCATCTTTCTGGAGCTGGCCACGGGGAGGGAGGTGTTTGACTGGATCCTGGACCAGGGCTACTA
 CTCGGAGCGAGACAGCAACGTGGTGCAGCAGGTCTTGGAGGCTGTGGCCTACTTGCCTCGCTCAAG
 ATTGTGCACAGGAACCTCAAGCTGGAAAACCTAGTGTACTACAACAGGCTGAAGAAGCTCAAAGATTGTCA
 TCAGCGACTTTCACCTGGCTAAGCTAGAGAATGGCCTTATCAAGGAGCCCTGTGGAACCCCGGAGTATCT
 GGCACCAGAAGTGGTAGGACGGCAACGGTACGGTGCCTGTAGACTGTTGGGCCATTGGCGTCATCATG
 TATATCCTGCTTTCAGGCAACCCGCCCTTCTACGAGGAGGTGGAAGAAGATGACTATGAGAACCACGATA
 AGAATCTCTCCGAAGATCCTGGCTGGTACTATGAGTTTGACTCTCCGTAAGTGGGACGATATTTCTCA
 AGCAGCCAAAGACCTGGTACCAGGCTGATGGAGTGGAGCAAGACCAGCGGATCACCGCAGAAGAGGCC
 ATCTCCCACGAATGGATTTCCGGCAACGCGGCTTCTGATAAGAACATCAAGGATGGCGTCTGTGCCCAGA
 TTGAGAAGAATTTGCCAGAGCCAAGTGGAGAAGGCTGTCCGAGTGACCACTCTCATGAAGCGGCTCCG
 GGCACCAGAGCAGTCTGGAACAGCGCGACCCAGTCTGCTTCAGACGCTGCCACTCCTGGGGCTGCTGGT
 GGGGCCATCGCTGCTGCAGTGCAGTGCAGTGCAGTGCAGTGGAGCTGCCTCAGCCTCTGGGCCAGTGCTA
 CTGCAGCCACAGAGGGTGGTGTGGTGTGCTGCCAAGAGCGGATGACATAGCCTCTGCAGATCGTAGTGC
 TACACCAGCCACAGATGGCAGCGCCACTCCAGCCACAGATGGCAGCGTCAACCCAGCCACGGATGGCAGC
 ATCACCCAGCCACTGACGGGAGTGTACTCCAGTACTGACAGAAGCGCTACACCAGCTACTGATGGCA
 GAGCCACACCAGCCACAGAAGAGAGCACAGTGCCCGCCACTCAAAGCAGTGCCCTGCCAGCTGCAAAGGC
 AGCAGCCACCCCTGAGCCGGCTGTGGCCAGCCGACAGCACAGCCCTAGAGGGTCCACAGGCCAGGCT
 CCACCCTAGTAAAGGAGAAGAGGCTACTGGATGTGCCAGGAGTCTCAGAGGGTGGAGACGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208233 representing NM_145621
 Red=Cloning site Green=Tags(s)

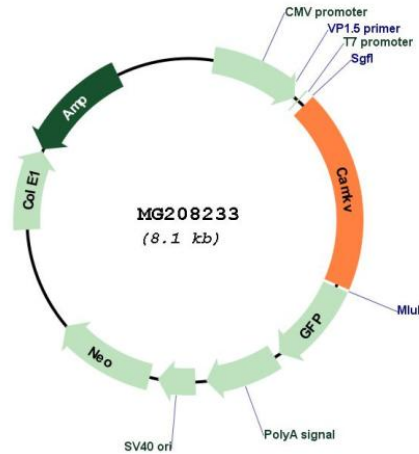
MPFGCVTLGDKKNYNQPSEVTDRLDGLQVIKTEEFCEIFRAKDKTTGKLHTCKKFQKRDGRKVRKAAKNE
 IGILKMKVHPNIIQLVDVVFTRKEYFIFLELATGREVFDWILDQGYYSERDTSNVVRQVLEAVAYLHSLK
 IVHRNLKLENLVYYNRLKNSKIVISDFHLAKLENGLIKEPCGTPEYLAPEVVGRQRYGRPVDCWAIGVIM
 YILLSGNPPFYEEVEEDDYENHDKNLFKILAGDYEFDSPYWDDISQAAKDLVTRLMEVEQDQRITAEAA
 ISHEWISGNAASDKNIKDGVCAQIEKNFARAKWKAARVVTLMKRLRAPEQSGTAATQSASDAATPGAAG
 GAIAAAAAAAAAAGGAASASGASATAATEGGAGCAAKSDDIASADRSATPATDGSATPATDGSVTPATDGS
 ITPATDGSVTPATDRSATPATDGRATPATEESTVPATQSSALPAKAAATPEPAVAQPDSTALEGATGQA
 PPSSKGEEATGCAQESQRVETS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_145621

ORF Size: 1536 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

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