

Product datasheet for MR211803

Camta2 (NM_178116) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Camta2 (NM_178116) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Camta2
Synonyms:	Kiaa0909-hp; mKIAA0909
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR211803 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATACCAAGGACACCACTGAGGTTGCTGAGAATAGCCACCACCTGAAGATCTTCTCCCAAGAAAT
TGCTGGAGTGTCTTCTCGATGCCACTGTTGCCTCCAGAGCGGCTCCGATGGAATACAAATGAGGAGAT
TGCATCTACCTGATCACCTTTGAGAAACAGATGAGTGGCTGTCTTGTGCCCAAGACAAGGCCTCAG
AATGGCTCCATTATCCTCTACAATCGTAAGAAGGTGAAATACCGGAAGGATGGTTACCTTTGGAAGAAAC
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GCAGTGTCTATGGCTGCTACGTTCACTCTTCCATCGTCCCCACATTCCACCGCGCTGTATTGGCTG
CTCCAGAACCCCGACATCGTCTTGTGCACTACCTGAACGTCCCAGCCCTGGAGGATTGTGGAAAGGGCT
GTAGCCCCATCTTTGTTCCATCAGTAGCGACCGTCGAGAATGGCTGAAGTGGTCACGTGAGGAGCTCTT
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CGGCTCCTCCAGCCCTGCCTTTGACCCTGATCGTTTTCTCAACAGCCCCAAAGGGCCAGACATACGG
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GGTACCTTCATCCCTCCTTCATCCCCGTCTCCCAACCGCCTTGCCGCCATCAGGCAGGGCAACGAGA
GGAGAAGCCTTGTTCGGAGGCTCTGCTGGCAGCAGCAGCGAGCTCGAGCCCTTTCAGTCTTTCGTCATTCC



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CAGACCTCATGGGAGAACTCATCAGTGATGAAGCTCCAGGTGCCCTGCCCCGCCCCAGCTCTCTCC
TGCCTAAATGCCATCACAGACTTCTCCCAGAGTGGTCTACCCAGAGGGCGGGTCAAGGTGCTCATC
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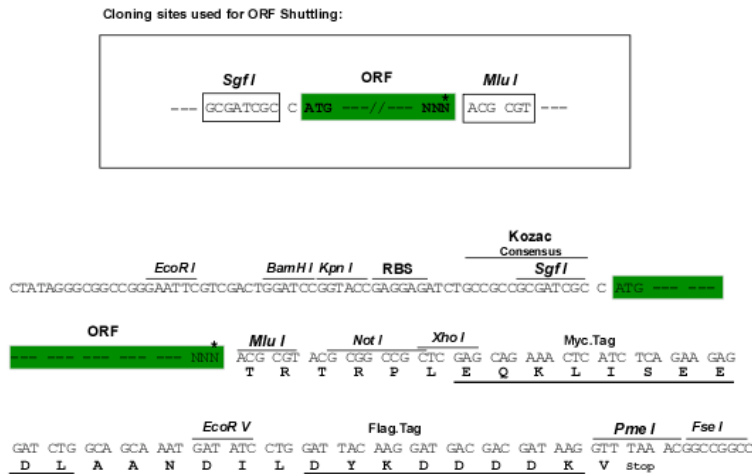
Protein Sequence: >MR211803 protein sequence
 Red=Cloning site Green=Tags(s)

MNTKDTTEVAENSHHLKIFLPKLLLECLPRCLLPPERLRWNTNEEIASYLITFEKHDEWLSAPKTRPQ
 NGSIIILYNRKKVKYRKDGYLWKKRKDGKTTREDHMKLKVQGMPEVSWQCLYGCYVHSSIVPTFHRRCYWL
 LQNPDIVLVHYLNPALIEDCGKGCSPIFCSISSDRREWIKWSREELGQLKPMFHGKWSGNGAEFVS
 EQLVQQILDTHPTKAPRTHACLCSGGLGSGSLTHKCSSTKHRIISPKVEPRALALASISHSKPPEPPPL
 IAPLPEELPKAHTSPSSSSSSSSGFAEPLIIRPSPPTSRGGSSRGGTAIILLTGLEQRAGGLTPTRHL
 APQAEPRPPVSLAVVVGSEPSAPPAPSPAFDPDRFLNSPQRGQTYGGGQGVNPDFPEAEGHTHTPCPALE
 PAAALEPQAAARGLAPQLGANGRRGNKFFIQDDDSGEELKGPVTPVPVSPSSPSPTALPPSGRATR
 GEALFGGSAGSSSELEPFSLSFPDLMGELISDEAPGVPAPAPQLSPALNAITDFSPEWSYPEGVKVLI
 TGPWTEAAEHYSCVFDHIAVPASLVQPGVLRCYCPAHEVGLVSLQVAGREGPLSASVLFYRARRFLSLP
 STQLDWLSLDDSQFRMSILERLEQMEKRMAEIAAAGQAPGQGPPEAPIQDEGQGPFEARVVVLVESMIP
 RSTWRGPERLIHGSPFRGMSLLHLAAAQGYARLIETLSQWRSVETGSLDLEQEVDP LNVDHF SCTPLMWA
 CALGHLEAAVLLFCWNRQAL SIPDSLGRPLSVAHSRGRVRLARCLEELQRQELSVEHPLALSPSSSPD
 TGLSSASSPELSDGTF SVTSAYSSAPDGSPPPAPPLASDISMEMIPGQLSCGAPETPLLLMDYEATNSK
 EPAPSPCGPPLAQDNGAAPEDADSPAVDVIPVDMISLAKQIIDATPERIKREDFSEFPDAGASPREHTG
 TVGLSETMSWLASYLENVDHFPSSAPPSELPFERGRLAIPPAPSWAEFLSASTSGKMESDFALLTLDHE
 QREL YEAAARVIQTAFRKYGRRLKEQQEVA AVAIQR CYRKYQL TWIALKFALYKMTQAAILIQSKFRS
 YYEQKRFQSSRAAVLIQQHYRSYRRRPGPPHRPSGLPARNKGTFLTKKQDQAARKIMRFLRRCRHRMR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

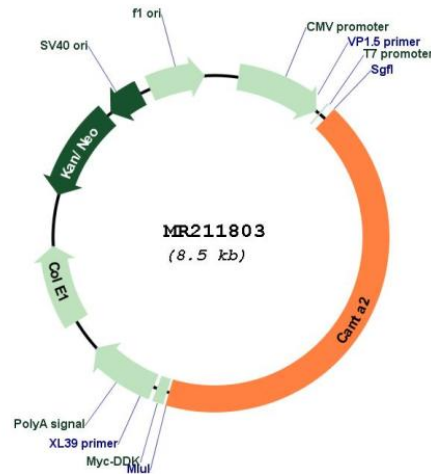
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_178116

ORF Size: 3627 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_178116.2](#)

RefSeq Size: 4647 bp

RefSeq ORF: 3627 bp

Locus ID: 216874

UniProt ID: [Q80Y50](#)

Cytogenetics: 11 43.21 cM

MW: 132 kDa

Gene Summary: Transcription activator. May act as tumor suppressor (By similarity).[UniProtKB/Swiss-Prot Function]