

Product datasheet for MR203196

Fam58b (NM_197989) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam58b (NM_197989) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam58b
Synonyms:	1810009O10Rik; Ccnq; Fam58a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203196 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCTGTTTCGGCCAGACAGCTGCGAAAGCGGGCCGGCGCGCCGCGAGCCGAGGAGAGGCCGGCTC
CCGAGGCGAGGGTGCACCTCCGAGTAACCCGGTTATCATGGAGGCAGGCGTCAAGCTAGGCATGCAGTC
CATCCCCATCGCCACCGTTGCACCATTACCATAAGTTCTTCTGCGAGATCAACCTGGACGCATATGAC
CTCTACCTGGTCGCCATGCTTCCATTTACTTGGCCGGCAAAGTGGAGGAGCAACACTTGCCTACTCGT
ACATCATCAACGTGTCGCACAGTACTTTAACCCGGGCAGTGAGCCATTGGAGCTGGATTCCCGCTTCTG
GGAGCTACGAGACAGCATTGTACAATGTGAGCTTCTTATGCTACGAGTTCTGCGCTTCCAAGTCTCTTTC
CAGCATCCACACAAGTACCTGCTGCACTACTTGATTTCCCTCAAGAACTGGCTGAATCGTTACAGCTGGC
AACGAACCCCATCTCAGTTACAGCTTGGGCTCTGCTACGAGATAGCTACCACGGGGGGCTATGCCTCCG
CTTCCAGGCTCAGCACCTAGCCGTGGCTGTGCTCTACCTGGCCCTGCAGGTCTATGGAGTCGAGGTGCC
GCAGAGGGTGAGGCCGAGAAGCCTTGGTGGCAGGTATTTAGTGATGACCTTACCAAGCCAATCATTGACA
ATATTGTGCTGATCTCATTAGATTTATACTATGGATACAGAGATCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203196 protein sequence
Red=Cloning site Green=Tags(s)

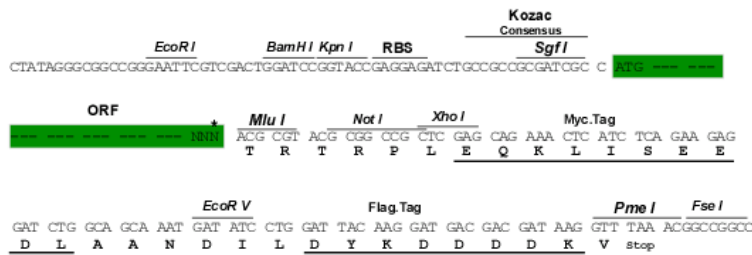
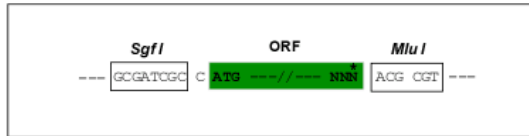
MEAVRPDSCESGPAAPRAEERPAPPEARVHFRVTRFIMEAGVKLGMQSIPIATACTIYHKFFCEINLDAYD
 LYL VAMSSIYLAGKVEEQHLRTRDIINVSHRYFNPGSEPLELDSRFWELRDSIVQCELLMLRVLRFQVSF
 QHPHKYLLHYLISLKNWLNRYSWQRTPI SVTAWALLRDSYHGGLCLRFQAQHLAVAVLYLALQVYGVVEVP
 AEGEAEKPWWQVFSDDLTKPIIDNIVSDLIQIYTMDEIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_197989

ORF Size: 753 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_197989.1](#), [NP_932106.1](#)

RefSeq Size: 1243 bp

RefSeq ORF: 753 bp

Locus ID: 69109

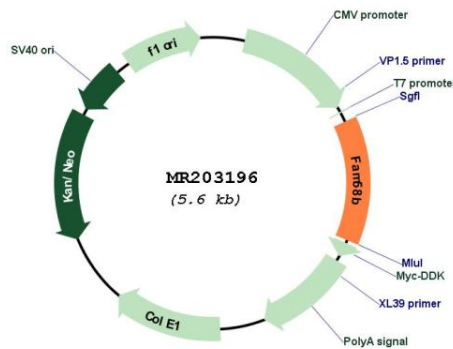
UniProt ID: [Q8QZR8](#)

Cytogenetics: 11 B5

MW: 28.9 kDa

Gene Summary: Activating cyclin for the cyclin-associated kinase CDK10.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203196