

Product datasheet for **MG203196**

Fam58b (NM_197989) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam58b (NM_197989) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fam58b
Synonyms: 1810009O10Rik; Ccnq; Fam58a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203196 representing NM_197989
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCTGTTTCGGCCAGACAGCTGCGAAAGCGGGCCGGCGCGCCGCGAGCCGAGGAGAGGCCGGCTC
 CCGAGGCGAGGGTCACTCCGAGTAACCCGGTTATCATGGAGGCAGGCGTCAAGCTAGGCATGCAGTC
 CATCCCCATCGCCACCGTTGCACCATTACCATAAGTTCTTCTGCGAGATCAACCTGGACGCATATGAC
 CTCTACCTGGTCGCCATGCTTCCATTTACTTGGCCGGCAAAGTGGAGGAGCAACACTTGCCTACTCGT
 ACATCATCAACGTGTCGCACAGTACTTTAACCCGGGCGAGTGGCATTGGAGCTGGATTCCCGCTTCTG
 GGAGCTACGAGACAGCATTGTACAATGTGAGCTTCTTATGCTACGAGTTCTGCGCTTCCAAGTCTCTTTC
 CAGCATCCACACAAGTACCTGCTGCACTACTTGATTTCCCTCAAGAACTGGCTGAATCGTTACAGCTGGC
 AACGAACCCCATCTCAGTTACAGCTTGGGCTCTGCTACGAGATAGCTACCACGGGGGGCTATGCCTCCG
 CTTCCAGGCTCAGCACCTAGCCGTGGCTGTGCTCTACCTGGCCCTGCAGGTCTATGGAGTCGAGGTGCC
 GCAGAGGGTGAGGCCGAGAAGCCTTGGTGGCAGGTATTTAGTGATGACCTTACCAAGCCAATCATTGACA
 ATATTGTGCTGATCTCATTAGATTTATACTATGGATACAGAGATCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203196 representing NM_197989
Red=Cloning site Green=Tags(s)

MEAVRPDSCESGPAAPRAEERPAPPEARVHFRVTRFIMEAGVKLGMQSIPIATACTIYHKFFCEINLDAYD
 LYL VAMSSIYLAGKVEEQHLRTRDIINVSHRYFNPGSEPLELDSRFWELRDSIVQCELLMLRVLRFQVSF
 QHPHKYLLHYLISLKNWLNRYSWQRTPI SVTAWALLRDSYHGGLCLRFQAQHLAVAVLYLALQVYGVVEVP
 AEGEAEKPPWWQVFSDDLTKPIIDNIVSDLIQIYTMDEIP

TRTRPLE - GFP Tag - V

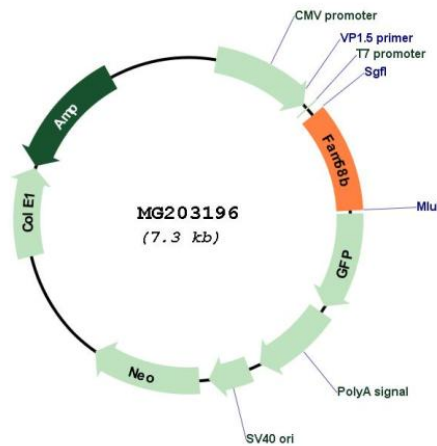
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_197989

ORF Size: 750 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_197989.1 , NP_932106.1
RefSeq Size:	1243 bp
RefSeq ORF:	753 bp
Locus ID:	69109
UniProt ID:	Q8QZR8
Cytogenetics:	11 B5
Gene Summary:	Activating cyclin for the cyclin-associated kinase CDK10.[UniProtKB/Swiss-Prot Function]