

Product datasheet for **RG201723**

FAM118B (NM_024556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM118B (NM_024556) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM118B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201723 representing NM_024556 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTACAGGGAGCCAGGCCTCTGATATAGACGAGATTTTGGATTCTTCAACGATGGCGAACCTC
CCACCAAAAGCCAGGAAGCTGCTTCCAAGCTTAAAACTAAGAAGCCTCGAGAACTTGTGCTAGTGAT
TGGAACAGGCATTAGTGCTGCAGTTGCGCCCAAGTTCAGCCCTCAAATCCTGGAAGGGTTAATTCAG
GCCTTACTGGATGCTGCCATTGATTTTGATCTTTAGAAGATGAGGAGAGCAAAAAGTTTCAGAAATGTC
TCCATGAAGACAAGAACCTGGTCCATGTTGCCCATGACCTTATCCAGAACTCTCCTCGTACCAAGTAA
TGTTTCGATCCACATTTTCAAGGACTGTTTATATGAAGTATTTGATGACTTGGAGTCAAAGATGGAAGAT
TCTGGAACACAGCTACTTCAGTCAGTTCTCCACCTGATGGAAAATGGAGCCCTCGTATTAACACAAATT
TTGATAATCTCTTGGAACTGTATGCAGCAGATCAGGGGAAACAGCTTGAATCCCTTGACCTTACTGATGA
GAAAAAGGTCTCGAGTGGGCTCAGGAGAAGCGTAAGCTGAGCGTGTTCATATTACGGAGTCTACACC
AACCTAGTGGCATTGCTCTTCATCCGGCTGGATATCAGAACGTGCTCAGGAACACTGAAGTCATGAGAG
AAATTCAGAACTCTACGAAAACAAGTCATTTCTTTCTGGGCTGTGGCTGGACTGTGGATGACACCAC
TTTCCAGGCCCTTTCTTGGAGGCTGTCAAGCATAAATCTGACCTAGAACATTTTCATGCTGGTTCGGAGA
GGAGACGTAGATGAGTTCAAAAAGCTTCGAGAAAACATGCTGGACAAGGGGATTAAGTCATCTCCTATG
GAGATGACTATGCCGATCTTCCAGAATATTTCAAGCGACTGACATGTGAGATCTCCACAAGGGGTACATC
AGCAGGGATGGTGAGAGAAGGTCAGCTAAATGGCTCATCTGCAGCACACAGTGAAATAAGAGGCTGTAGT
ACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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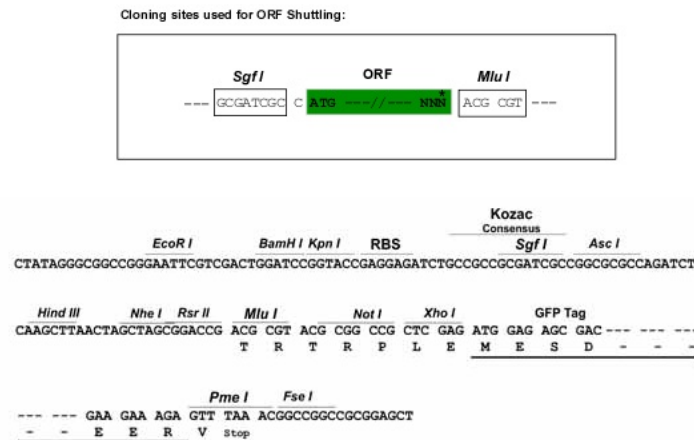
Protein Sequence: >RG201723 representing NM_024556
 Red=Cloning site Green=Tags(s)

MASTGSQASDIDEIFGFFNDGEPPTKKPRKLLPSLKTKKPRELVVIGTGISAAPQVPALKSWKGLIQ
 ALLDAAIDFDLLEDEESKKFQKCLHEDKNLVHVAHDLIQKLSRPTSNVRSTFFKDCLYEVFDDLESKMED
 SGKQLLQSVLHLMENGALVLTNFDNLLELYAADQGKQLESDDLDEKKVLEWAQEKRLSVLHIHGVYT
 NPSGIVLHPAGYQNVLRNTEVMREIQKL YENKSFLFLGCGWTVDDTTFQALFLEAVKHKSDLEHFMLVRR
 GDVDEFKKLRNMLDKGIKVISYGDDYADLPEYFKRLTCEISTRGTSAGMVREGQLNGSSAAHSEIRGCS
 T

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024556

ORF Size: 1053 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024556.4](#)

RefSeq Size: 1792 bp

RefSeq ORF: 1056 bp

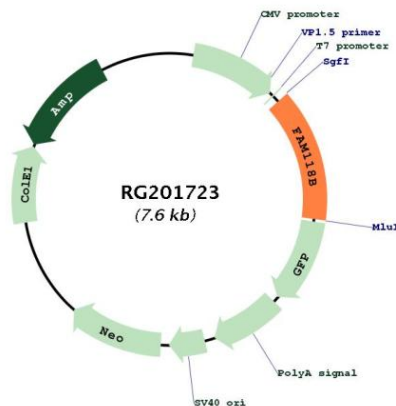
Locus ID: 79607

UniProt ID: [Q9BPY3](#)

Cytogenetics: 11q24.2

Gene Summary: May play a role in Cajal bodies formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201723