

## Product datasheet for RC201723

### FAM118B (NM\_024556) Human Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | FAM118B (NM_024556) Human Tagged ORF Clone                        |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | FAM118B                                                           |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >RC201723 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTCTACAGGGAGCCAGGCCTCTGATATAGACGAGATTTTGGATTCTTCAACGATGGCGAACCTC  
 CCACCAAAAGCCAGGAAGCTGCTTCCAAGCTTAAAACTAAGAAGCCTCGAGAAGCTTGTGCTAGTGAT  
 TGGAAACAGGCATTAGTGCTGCAGTTGCGCCCCAAGTTCAGCCCTCAAATCCTGGAAGGGTTAATTCAG  
 GCCTTACTGGATGCTGCCATTGATTTTGATCTTTAGAAGATGAGGAGAGCAAAAGTTTCAGAAATGTC  
 TCCATGAAGACAAGAACCTGGTCCATGTTGCCCATGACCTTATCCAGAACTCTCCTCGTACCAAGTAA  
 TGTTTCGATCCACATTTTCAAGGACTGTTTATATGAAGTATTTGATGACTTGGAGTCAAAGATGGAAGAT  
 TCTGGAACACAGCTACTTCAGTCAGTTCTCCACCTGATGGAAAATGGAGCCCTCGTATTAACACAAATT  
 TTGATAATCTCTTGGAACTGTATGCAGCAGATCAGGGGAAACAGCTTGAATCCCTTGACCTTACTGATGA  
 GAAAAAGGTCTCGAGTGGGCTCAGGAGAAGCGTAAGCTGAGCGTGTGCATATTCACGGAGTCTACACC  
 AACCTAGTGGCATTGCTCTTCATCCGGCTGGATATCAGAACGTGCTCAGGAACACTGAAGTCATGAGAG  
 AAATTCAGAACTCTACGAAAACAAGTCATTTCTTTCTGGGCTGTGGCTGGACTGTGGATGACACCAC  
 TTTCCAGGCCCTTTCTTGGAGGCTGTCAAGCATAAATCTGACCTAGAACATTTTCATGCTGGTTCGGAGA  
 GGAGACGTAGATGAGTTCAAAAGCTTCGAGAAAACATGCTGGACAAGGGGATTAAGTCATCTCCTATG  
 GAGATGACTATGCCGATCTTCCAGAATATTTCAAGCGACTGACATGTGAGATCTCCACAAGGGGTACATC  
 AGCAGGGATGGTGAGAGAAGGTCAGCTAAATGGCTCATCTGCAGCACACAGTGAAATAAGAGGCTGTAGT  
 ACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

**Protein Sequence:** >RC201723 protein sequence  
 Red=Cloning site Green=Tags(s)

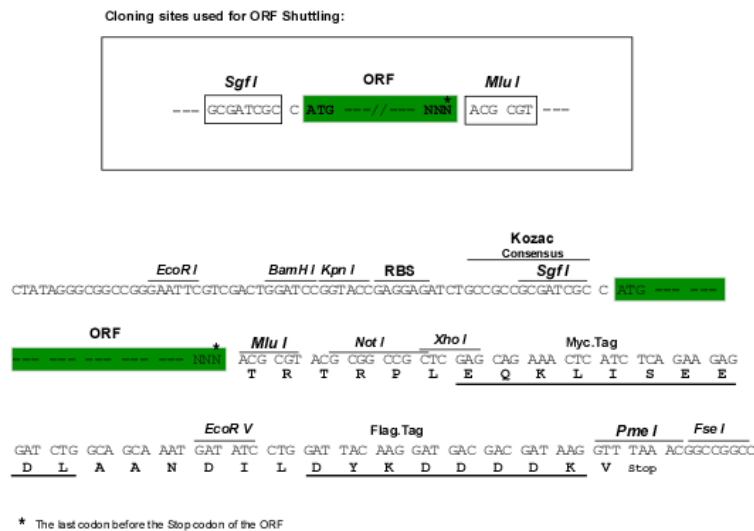
MASTGSQASDIDEIFGFFNDGEPPTKKPRKLLPSLTKTKPRELVVIGTGISAAPQVPALKSWKGLIQ  
 ALLDAAIDFDLLEDEESKKFQKCLHEDKNLVHVAHDLIQKLSPTSNNVSTFFKDCLYEVFDDLESKMED  
 SGKQLLQSVLHLMENGALVLTTFNDLLELYAADQKGQLESDDLDEKKVLEWAQEKRLSVLHIHGYYT  
 NPSGIVLHPAGYQNVLRNTEVMREIQKL YENKSFLFLGCGWTVDDTTFQALFLEAVKHKSDLEHFMLVRR  
 GDVDEFKKLRNMLDKGIKVISYGDDYADLPEYFKRLTCEISTRGTSAGMVRGQLNGSSAAHSEIRGCS  
 T

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6301\\_c02.zip](https://cdn.origene.com/chromatograms/mk6301_c02.zip)

**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:** 2100 bp

**RefSeq ORF:** 1056 bp

**Locus ID:** 79607

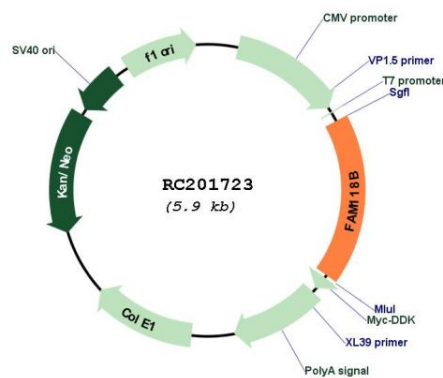
**UniProt ID:** Q9BPY3

**Cytogenetics:** 11q24.2

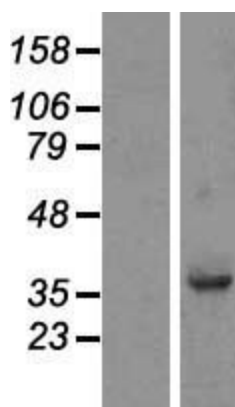
**MW:** 39.5 kDa

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

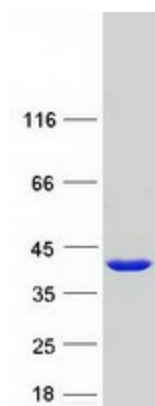
## Product images:



Circular map for RC201723



Western blot validation of overexpression lysate (Cat# [LY411230]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201723 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FAM118B protein (Cat# [TP301723]). The protein was produced from HEK293T cells transfected with FAM118B cDNA clone (Cat# RC201723) using MegaTran 2.0 (Cat# [TT210002]).