

## Product datasheet for **MR214353**

### Fam151b (NM\_001163627) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam151b (NM\_001163627) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fam151b  
**Synonyms:** 4930405M20Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR214353 representing NM\_001163627  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCAGCATGTGCAGGGGGCCCGGGATCCTGGAGTGAAAATATACTGAAATATTTTCTGAGGAACAACC  
AGATCACGGCAGAAGACGGCGCTGAGATCCTCTGGTCCCACGCAGCCAACCACAAGTCTCAGATGAACGA  
GGCGCTGAAGAGTGCTGCCACATGATAGAGGCTGATGTCCTTCTCCTAGTGACGGATCAGAGCATGGC  
CAGCCAATCATGGCCATCCTCCTGAGACAAGCAGTGATAACACTTTCAGGAGTGGCTGGCTGAGGTTG  
TGAAGAGCAACAAGGGCATCAAGTTGGATTTCAAGAGTCTGGCAGCAGTCAGAGCGTCCATGCTGTTCT  
GGACAACATGAAGCAGCACCTGCAGCGCCCGTGTGGATTAATGCCGATATTCTTCCCGGCCAAATGGG  
AGCAGCAAAGTAGTGGATGCCAAAGCCTTCTAGACACCGTGACATCCTTCTTCCCGGACGTGACCTTTT  
CCTTGGGTTGGACAACAGGATGGCATCCTGAGAAAGTCAATGAAGGCTACAGTTGGTCGATGGTGAAGA  
GATGGACTACATATGCAGCGAGCTAACCCAGCCGGTCACGTTCCCTGTCAGGGCAGCTTTAGTGAGGCAG  
TCGTGTCTCAGTTGCTCTGGCTATTGACAAAATCAAACAGGTACAGTTAACTGTTGGACTGGAAAAG  
ATGACATTTATCCACTGAGGATTTACTTTACATTCGAGACTACTTTAATAAAACCAAGTTTTCTATGA  
TATTTCAGAACCACAAAACCATGAATTTAAACAAGCCATTGGAATTCGAGGCCATTCTCTAAGAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214353 representing NM\_001163627  
 Red=Cloning site Green=Tags(s)

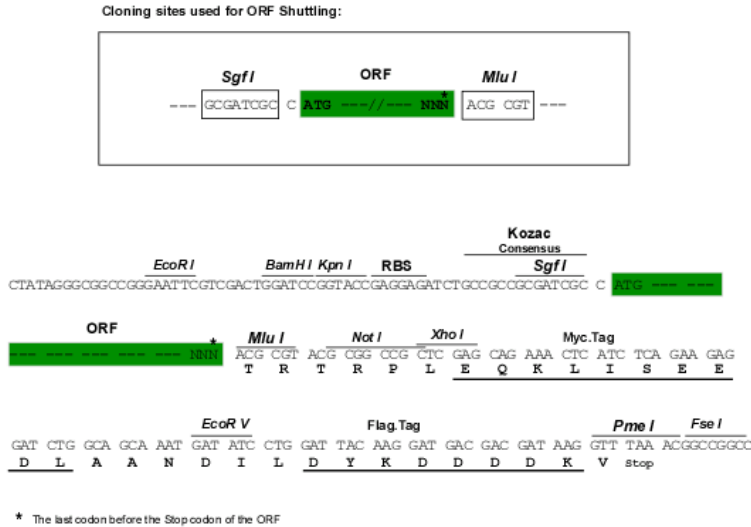
MAACAGGPGSWSENILKYFLRNNQITAEDGAEILWSHAANHKSQMNEALKSAAHMI EADVLLPSDGSEHG  
 QPIMAHPPETSSDNTLQEWLAEVVKSNGIKLDFKSLAAVRASMLFLDNMKQHLQRPVWINADILPGPNG  
 SSKVVDAKAFLDTVTFFPDVTFSLGWTTGWHPEKVN EGYSWSMVKEMDYICSEL TQPVTFPVRAALVRQ  
 SCPQLLWLLTKSNRYSLTVWTTGKDDIYSTEDLLYIRDYFNKTQVFYDISE PQNHEFKQAIGIRGHSLRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9061\\_d08.zip](https://cdn.origene.com/chromatograms/mm9061_d08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001163627

**ORF Size:** 837 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\_001163627.1, NP\_001157099.1

**RefSeq Size:** 1398 bp

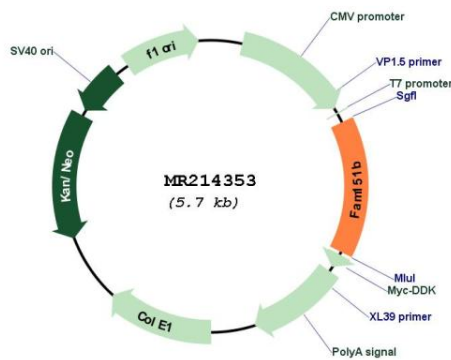
**RefSeq ORF:** 840 bp

**Locus ID:** 73942

**Cytogenetics:** 13 C3

**MW:** 31.4 kDa

**Product images:**



Circular map for MR214353