

## Product datasheet for **MR209381**

### **Fam151a (NM\_146149) Mouse Tagged ORF Clone**

#### **Product data:**

|                                  |                        |
|----------------------------------|------------------------|
| <b>Product Type:</b>             | Expression Plasmids    |
| <b>Tag:</b>                      | Myc-DDK                |
| <b>Symbol:</b>                   | Fam151a                |
| <b>Synonyms:</b>                 | 2010309H15Rik          |
| <b>Mammalian Cell Selection:</b> | Neomycin               |
| <b>Vector:</b>                   | pCMV6-Entry (PS100001) |
| <b>E. coli Selection:</b>        | Kanamycin (25 ug/mL)   |



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**ORF Nucleotide Sequence:** >MR209381 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCCTGCAAGAAATGGTGTCCAGCAGCCAGGCCAAGTGGATCCTTGCTGGCAGTGTACTGTGACAC  
 TGGTGTGGCCATTTTCATTGATCCTAGGCCTAACCCCTGCATCAGGGCACCAACCAGGCTGTGAGAACGA  
 TGCAATTTGCGGTCTGATGCTGACATGCTGGACTACCTGATGGGCATGGGCCAGATCAGCCACCGGGAT  
 GGCTTGCTGGTCACTGGTACCACGAGCCAAACAGCAAGAGAGATGGCAGCTGCCCTAACACAGCGATG  
 TCATGGTCTTAGAAGCCGATGTACCGTAGAAGGGTTCAACACAGCCAATGAGACCAAGGTGCCATTAT  
 GGCCCAACCCTCCAGCCATCTACAGTGACAACACCCTGCAGGAGTGGCTAGAAGCTGTACTGGCCTCATCT  
 CAGAAGGGCATCAAAGTGGACTTCAAGAGTCTCAAGGCTGTAGGCCCTCCCTGGACCTCCTTCGGCAGC  
 TGACTGAGGCTGGCAGGATTCGGAGACCAAGTGTGGATCAATGCTGACATCCTGAGGGGCCCAATGTGCC  
 CATCTCAATTGAGATCAATGCTACCCAGTTTCTGACTCTTGCCAGGAGAAATATCCAAAGGCCACCATT  
 TCTCCAGGCTTTACCACTCTTTATGTGCCTCAGTTGCCAAACAGCACATACACCCAAGCCATGGTGGAAA  
 CAATGCAGGAGCTGGTCGGAGCGCTGCCACAGAAGGTACCTTCCAGTGAGAGCTGTCTGACACGGGC  
 TGCTTGGCCCCACTTCAGCTGGCTTCTGAGCCAATCTGAGAGGTACAGCCTAACACTGTGGCAGGGTGCC  
 TCAGACCCCGTGTGAGTAGAAGATCCTCTTTCATCCGGGACAACAGTGCCGCTCACCAGTCTACTATG  
 ACCTCTTTGAGCCTGTCTTGTGCGAGTTTAAGCAGCTGGCCTTGAACACCACCCGGAAGCGAACCTACTA  
 CACAGGTGGCAGCCTGATCCCTCTTCTCCAGCAGCCCAAGGGTGTGGTCTGGAGGTAGAGTGGCTAGTT  
 CTGGAAGTGAATGGCAGTGGGAGAAGAGCAGCCATTACAGTTCCTGACAGAGAAGGCATGATCTTGCTGG  
 ACATTGGCCTCCAGGAACCTGAGGCTGGGAACCTGTACCCATCCTACACCCCAAGGTGGCCCTGCTCT  
 GACACTGGAGTCGTGTCTGCTGCGTCTGGCTGTTACCCCAAGGCGCTGGGGCATCCATGTGAACATAGTG  
 GAACCCGAAGCTCTCCGGCCATCCCTGGCCACGTTAGCACACCTTTCTACCCCTTGGCCATCTGCCCTGGC  
 CTGTGTGGGTGGGTCCACAGTCTCACATGGTAGTTTGTGGTCCCTGGCCACATAGCTGGCAGAGAGCT  
 GCTCACAGCTGTGGCTGAAGTCTTCCCCATGTGACCGTGGCAGCCGGCTGGCCCAAGAGATGCTGGAC  
 AGTGGTTATCAGGAGCAGATGGTCACAGATATGCTGGAGCTGTGTGAGGACTCCGGCAACCTGTGTCTCT  
 TCCAGCTGCAGGCTGGGCCACTGAGTCAGAGTCCAGCCAACACTGTGGCCAGGCTCCTGGCCTCTCCCC  
 TAGAGCCACTGTACAGTGTACCACAGCACTGCTGGGAACAGCCATGTGGATTGTGGGCTGGATTGTGG  
 GCGGCCAGGCGCTGGACAGGACCCGAGTCTATTACAGGATATCCAGGAGTACTGGAAGACTTGCAGG  
 CAGATGTGAGCAGCAACCGACCATCCAGTAGGATTGGACCATCTAGTGTGGAAGGCTTCCCTGGGGAGTC  
 AAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209381 protein sequence  
 Red=Cloning site Green=Tags(s)

MSCKKWCSSSQAKWILAGSVTVTLVLAISLILGLTLHQGTQPGCENDAICGPDADMLDYLMMGMQISHRD  
 GLLVTWYHAANSKEMAAALNSDVMVLEADVTVEGFNTANETKVPIMAHPPAIYSDNTLQEWLEAVLASS  
 QKGIKLDFKSLKAVGPSLDLLRQLTEAGRIRRPVWINADILRGNVPISIEINATQFLTLVQEKYPKATI  
 SPGFTTLVYPQLPNSTYTQAMVETMQELVGALPQKVTFPVRAVMTRAAPHPFSWLLSQSERYSLTLWQGA  
 SDPVSVEDLLFIRDNSAAHQIYYDLFEPVLSQFKQLALNTTRKRTYYTGGSILPLLQQPKGDGLEVEWL  
 LEVNGSGRRRAITVPDREGMILLDIGLQEPEAGNPVPIHTPGGPALTLSCLLRLAVHPRRWGIHVNIV  
 EPEALRPSLATLAHLSTLGHLPWPVWVGSTVSHGSFVVPVGHVAGRELLTAVAEVFPVHTVAPGWPEEMLD  
 SGYQEQMVTDMLELCQGLRQPVVSFQLQAGPLSQSPANTVARLLASSPRATVTYHSTAGNSHVDLWAGLW  
 AARAVDRTRVYYRISQEWKDLQADVSSNRPSRIGPSSVEGFPGESR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

## Cloning Scheme:



ACCN: NM\_146149

ORF Size: 1824 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\\_146149.1](#), [NP\\_666261.1](#)

RefSeq Size: 1966 bp

RefSeq ORF: 1827 bp

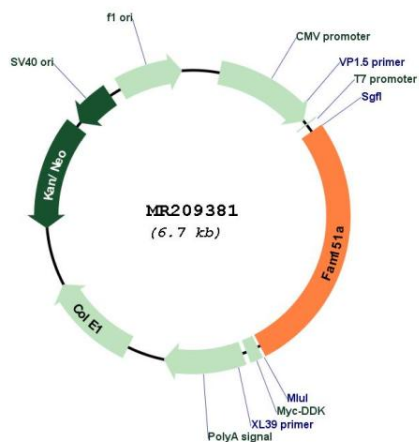
Locus ID: 230579

UniProt ID: Q8QZW3

Cytogenetics: 4 C7

MW: 66.7 kDa

**Product images:**



Circular map for MR209381