

Product datasheet for **MR209372**

Fam151a (NM_146149) Mouse Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >MR209372 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCTGCAAGAAATGGTGTCCAGCAGCCAGGCCAAGTGGATCCTTGCTGGCAGTGTACTGTGACAC
 TGGTGTGGCCATTTTCATTGATCCTAGGCCTAACCCCTGCATCAGGGCACCAACCAGGCTGTGAGAACGA
 TGCAATTTGCGGTCTGATGCTGACATGCTGGACTACCTGATGGGCATGGGCCAGATCAGCCACCGGGAT
 GGCTTGCTGGTCACTGGTACCACGCAGCCAACAGCAAGAGAGATGGCAGCTGCCCTAACACAGCGATG
 TCATGGTCTTAGAAGCCGATGTACCGTAGAAGGGTTCAACACAGCCAATGAGACCAAGGTGCCATTAT
 GGCCCAACCCTCCAGCCATCTACAGTGACAACACCCTGCAGGAGTGGCTAGAAGCTGTACTGGCCTCATCT
 CAGAAGGGCATCAAAGTGGACTTCAAGAGTCTCAAGGCTGTAGGCCCTCCCTGGACCTCCTTCGGCAGC
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 CATCTCAATTGAGATCAATGCTACCCAGTTTCTGACTCTTGCCAGGAGAAATATCCAAAGGCCACCATT
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 CAATGCAGGAGCTGGTCGGAGCGCTGCCACAGAAGGTACCTTCCAGTGAGAGCTGTCTGACACGGGC
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 GACACTGGAGTCGTGTCTGCTGCGTCTGGCTGTTACCCCAAGGCGCTGGGGCATCCATGTGAACATAGTG
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 GCTCACAGCTGTGGCTGAAGTCTTCCCCATGTGACCGTGGCAGCCGGCTGGCCCAAGAGATGCTGGAC
 AGTGGTTATCAGGAGCAGATGGTCACAGATATGCTGGAGCTGTGTGAGGACTCCGGCAACCTGTGTCTCT
 TCCAGCTGCAGGCTGGGCCACTGAGTCAGAGTCCAGCCAACACTGTGGCCAGGCTCCTGGCCTCTCCCC
 TAGAGCCACTGTACAGTGTACCACAGCACTGCTGGGAACAGCCATGTGGATTGTGGGCTGGATTGTGG
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 AAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >MR209372 protein sequence
 Red=Cloning site Green=Tags(s)

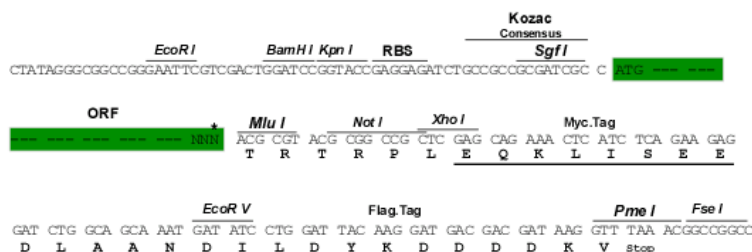
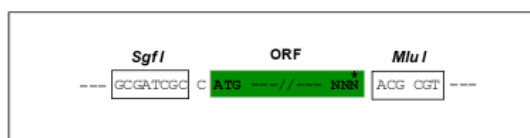
MSCKKWCSSSQAKWILAGSVTVTLVLAISLILGLTLHQGTQPGCENDAICGPDADMLDYLMMGMQISHRD
 GLLVTWYHAANSKKEMAAALNSDVMVLEADVTVEGFNTANETKVPIMAHPPAIYSDNTLQEWLEAVLASS
 QKGIKLDFKSLKAVGPSLDLLRQLTEAGRIRRPVWINADILRGNVPISIEINATQFLTLVQEKYPKATI
 SPGFTTLVYPQLPNSTYTQAMVETMQELVGALPQKVTFPVRAVMTRAAPHFWSLLSQSERYSLTLWQGA
 SDPVSVEDLLFIRDNSAAHQIYYDLFEPVLSQFKQLALNTTRKRTYYTGSLIPLLQQPKGDGLEVEWL
 LEVNGSGRRRAITVPDREGMILLDIGLQEPEAGNPVPIILHTPGGPALTLSCLLRLAVHPRRWGIHVNIV
 EPEALRPSLATLAHLSTLGHLPWPVWVGSTVSHGSFVVPVGHVAGRELLTAVAEVFPVHTVAPGWPEEMLD
 SGYQEQMVTDMLELCQGLRQPVVSFQLQAGPLSQSPANTVARLLASSPRATVTYHSTAGNSHVDLWAGLW
 AARAVDRTRVYYRISQEWKDLQADVSSNRPSRIGPSSVEGFPGESR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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.

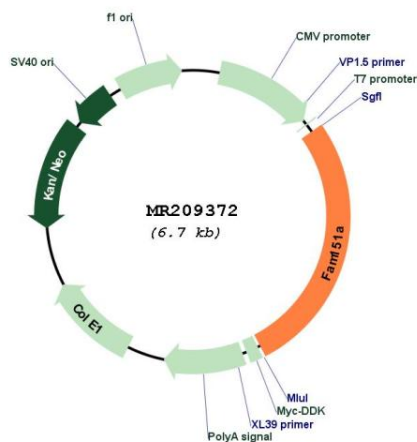
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

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 MR209372