

Product datasheet for **RR205056**

Fam111a (NM_001109163) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam111a (NM_001109163) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam111a
Synonyms:	RGD1560913
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR205056 representing NM_001109163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTCCTAAGAAGCGCAAATCACAGAAGATCCATTTAATACCAGAAAAATAAAAAATCAAAGACT
 ATTTCTCTCAGGTTCCCAAAGAAGAGCAGAATGATCCAGTATTTCTCAAGTAAAAGTGGACTCTAAAA
 AATGCCAAGGATATAACCAACACCAGGAACCAAGACCACTTTACCTAAGAAAATCAACAAGATCAG
 ACTCCTCCCTATATAAGAAAATCTGGTACCTTGGGTGTGAACGCTAGGAAACACAAAAATGAAAC
 ATGTGCTCACAGATAGGGAGACAAGTAGCTTGTATGCAGCACTAACAGTCTCAGTGCTGTCAAAGAAGA
 GATAGAATGCCAAAAGGGCAAAGAAATGCTGGTATGTGGCAAAGAAGGAATTGAAGGATACTTAAACCTT
 GGCATGCCCTCTGCTGTATACCAGAAGGCAGCCATGTGATCATTACATTTGTCAATGAAAAGTAAGA
 CAGAAGAACTAAACAATCTTTGAACCACAGGACCAAGCATCTACCAATATGTCGGATTTTACATTCA
 TGCAGTTGGGAGTAAGAGGAAAAAGATTCTGAAGTGTGGGAACCTCACAAAGAGGGGAACAAAGTCTGT
 GTCTATGGCTCCAAGGGAGAGAATCAGAGACTCTGAGGAAGGACGGCAGGTTTTGTTCTTTATAG
 AGAATGACCATTGGAACTCATTAAATGACCTGGACACTATCATAGAAAACACTCAGCCAGTTGATGAGTT
 AGAGGGCAAGCTTTTCAGGTTGCAGCTGAGCTACCAAAGAACCCTAGAGTAGTCTCTGTGCATGCAGAA
 TCTGGGTTAGAGAACAGAGACTTCCATAAGCTAGAAGACTATATTGTGAATGCGAACCTACATTGAAAG
 AAGAAGGAGAAAACTCAGAGCATACTCAAGAAAAGAAAGTAAAAAAGTTCTTATTCAAAGTGCATAA
 AGAACACTTTGGGAAAAAACAAAAATTTACTCCTGTTAAAGTGCACAAACATCTTTGAAAGTCAAGT
 GATTCAGTTGGGTTCTATGGTGAACAACAATGGAAAGGAGGGCTGTGCCACCTGCTTTGTTTTAAAG
 GATTATACATTTTGACTTGCCGGCATGTGATAACTAGTATTGTGGTGAAGGCATAGATCCATGTCAGTG
 GGCAAGCTTAATTAGTCAGTGTGTAAGGTGACCTTTGGTTATGAAGAGTTCCCACTAGTAGAAGACAAG
 TTTTTGAGGTTAAACCTTGGTTTGGATATCTAATGAAAGCCTTGACTATGCTGTCTAGAACTGAGGG
 AAAATGGACAAGAAGTTCTGCTGGACTGTATAATGGAATAGGACCTGTGCCACTAGTGGGTTAATATA
 TCTCATTGGCCATCCTGATGGAGAAAAGAAGTCTACTGATGGCTGTGCAGTGGTCCCTCAAAGTCATAGA
 GGGCAAAAATGTCAGGAAAATTTCAAGAAAGAGAGAAAGCAAACACTGGATTCTACATCTTTTTTCC
 CTATATACACACAAGAAGTTTCCACGAAGTCTTTCACAACCATGATGTGGTTACTTATGACACCACTTT
 TTTTGGTGGTCTTCTGGATCCCAGTATTTGATTCTAATGGTTCATTGGTGGCCATGCATGCTGCTGGC
 ATCACTTGTACAGACCAGAAATGGAGTTTTAATATCATTGAGTTTGGTTTTACTATGGAATCCATCTTG
 CTAATATTAAGCAAACCTAAAGAGTGGTATGATACCATTTTGTAAATGATCGGGATGCAGAAATGCTGAG
 CACAGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

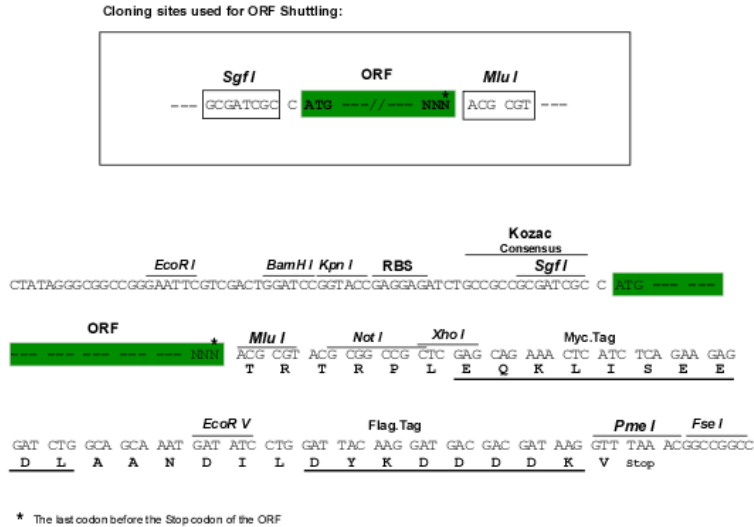
>RR205056 representing NM_001109163
 Red=Cloning site Green=Tags(s)

MSSKKRKSQKIPFNTRKNKKIKDYFSQVPKEEQNDPSISQVKVDSKKMPRDI TNTRNQRPLSPKKTQQDQ
 TPPLYKKILVTLGVNARKHKNMKHVLTDRETSSLYAALNSL SAVKEEIECQK GKEMLVCGKEGIEGYLNL
 GMPLCCIEGSHVITFCQCKSKTEETKQFFEPQDQASTNYVRFYIHAVGSKRKKILKCGELHKEGNKVC
 VYGSKGENIRDTLRKDGRFCSEIENDHWKLINDLTI IENTQPVDELEGKLFQVAELPKNPRVSVMQN
 SGLENRDFHKLEDYIVNANPTLKEEGEKL RAYIKKESKSSLFKVHKEHFGKITKNSTPVKHHL SKVS
 DSVGFLWWNNNGKEGCATCFVFKGLYILTCRHVITSI VGEIDPCQWASLISQCVKVTFGYEEFPLVEDK
 FFEVKPWF EISNESLDYAVLELRENGQEVPAGLYNGIGPVPLSGLIYL IGHDPGEKSTGDCAVVPQSHR
 GQKQENFQEREKANYWISTSFPIYTQRSFHEVFHNDVVYDTTFFGGSSGSPVFDNSGLVAMHAAG
 ICTDQNGVFNIIEFGFTMESILANIKQTKEWYDTIFVNDRAEMLSTDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001109163

ORF Size: 1830 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_001109163.1](#), [NP_001102633.1](#)

RefSeq Size: 3191 bp

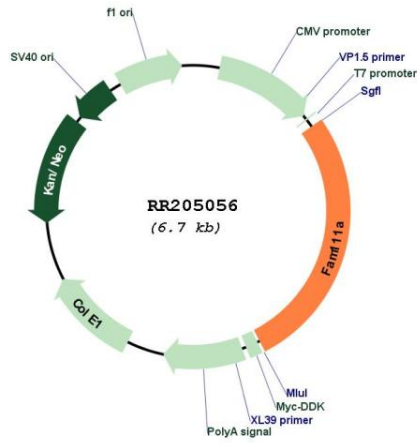
RefSeq ORF: 1833 bp

Locus ID: 499322

Cytogenetics: 1q43

MW: 69.3 kDa

Product images:



Circular map for RR205056