

## Product datasheet for **RR214192**

### Fem1a (NM\_001025706) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fem1a (NM_001025706) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fem1a
Synonyms:	MGC114562
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR214192 representing NM\_001025706  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCTACACACAGCGGTGTACAATGCGGCGCACGACGGCAAGCTGCTGCTTTCAGAAGCTGCTGG  
CCGGCCGCGGGCGTGAGGAGATAGAGGAGCTGCTGGGTGAGGTGGCCGGCGGTGGCACACCACTGCTAAT  
CGCGGCGCGCCGTGGACACCTGGACGTGGTGGAGTACCTGGTGGACAACCTGCGGCCCGAGTGTGGAGGCG  
AGCGGCTCCGTACACTTCGATGGCGAGACTATTGAGGGCGCGCCCGCTATGGGCGAGCTCAGCAGCGG  
GTCACCTTAGCTGTGGTGCAGCTTCTGCGCCGAGGGCGCTCGGTCAACCGCACTACGCGCACCAACTC  
TACGCCGTACGCGCCGCTGCTTTGACGGCCACCTGGACGTGGTGCCTACCTGGTGGGCGAGCACAAG  
GCGGACCTAGAGGTAGCCAACCGCCACGGCCACACGTGCCTTATGATATCATGCTACAAGGGCCACCGCG  
AGATTGCGCGCTACCTCCTGGAACGGGGCGCGCAGGTGAATCGTCGACGCCAAGGGCAACACCGCCCT  
TCACGACTGTGCGGAATCTGGCAGCCTGGAGATTCTGCAGCTGCTGCTGGGCTGTACGCGCGTATGGAA  
CCGCAGCGCTATGGCATGACCCCGCTACTGGCTGCCAGCGTCACCGGGCACCAACATCGTGGAGTACC  
TCATCCAGGAACAGCCCGCCACGGGCAGCTCTCAGGGACAGAGCTTCCCGGAGAAGGCTCCTCCAGAT  
GGCAGGAAACCACTGTTCCACCCAGAGGAAGCAGAACCCTATGAGAGCTGCTGCCCTACAGCCGGGAA  
GCGGCTGTGGAAGCTTTGGAGCTGCTAGGTGCTACCTATGTCGATAAGAAAAGGGATCTGCTTGGAGCCC  
TGAAGCATTGGAGACGGGCAATGGAACCTCCGCCACCGGTGGGGACTACCTTCCTAAGCCTGAACCCCA  
GCAACTGGTCTAGCCTATGACTATTCCAGGGAGGTGAGCACGCCCAAGAGTTGGAAGCCCTCATCACA  
GATCCTGATGAGATGCGGATGCAGGCACTGCTGATACGGGAGAGGATCCTGGGCCCTCGCATCTGACA  
CTTCATATTACATAAGATACCGGGTGTCTATGCAGACTCTGGAAATTTGAGCGCTGTATCCGCTCT  
GTGGAAGTATGCCTTGGACATGCAACAGAACAACTGGAGCCCTGAGCCCATGACCGCCAGCAGCTTC  
CTGTCGTTTGCAGAGCTTCTCTACGTGCTGCAGGACCCTCAGCCAAGGGCAACCTAGGCATGCAGC  
TTGGCTTTGCTGACCTCATGGGTGTGCTCAGCAAAGGGTTTCGGGAAGTGGAGCGGGCTCTACAGCTGCC  
CAAGGAACCGGTGACTCTGCACAGTTCACCAAAGCCATTGCCATCATCTCCACCTTCTGTATCTGCTG  
GAGAAGGTGGAGTGCACCCCGCCAGGAAACACCTCAAGCACCAGACAGTCTACCGCTGCTCAAGTGTG  
CCCCTCGAGGTAAGAACGGCTTACCCCACTGCACATGGCAGTGGATAAGGAGACCACCAACGTGGGCCG  
GTACCGTGTGGGCATCTCCCGTGTGAGGTGGTGAAGTACTGTTGGACTGCGGAGCAGACCCTGAC  
AGCAGGGACTTCGACAACAACACCACTGCATGTCGCTGCCAGAACAATTGCCCTGCCATCATGGATG  
CCCTCATCGAAGCTGGAGCCACATGGATGCCACCAATGCCTTCAAGAAGACTGCCTACGAGCTGCTGGA  
CTCGAAGCTGTTAGCCAAGAGCACCATGCAGCCCTTCAATTATGTGACTCCAGTGCCTAGCTGCTCGT  
GCCCTGGACAGGAACAAGGTCCTTATAAGGGCTTATCCAGAGGAGCTGGAGGCCCTCATCCAGTTAC  
AC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR214192 representing NM\_001025706  
 Red=Cloning site Green=Tags(s)

MDLHTAVYNAHDGKLLLLQKLLAGRGREEIEELLGEVAGGGTPLLIAARRGHLDVVEYLVDNCGASVEA  
 SGSVHFDGETIEGAPPLWAASAAGHLAVVRSLLRRGASVNRTRTSTPLRAACFDGHLDVVRYLVGEHK  
 ADLEVANRHGHTCLMISCYKGHREIARYLLERGAQVNRNSAKGNTALHDCAESGSLEILQLLLGCHARME  
 RDGYGMTPLLAASVTGHTNIVEYLIQECPGHGQLSGTELPGEGSSQMAGNHCSTPEEAEPYESCCPTSRE  
 AAVEALELLGATYVDKRDLLGALKHWRRAMELRHQGGDYLKPEPQQLVLAYDYSREVSTPQEALIT  
 DPDEMROMQALLIRERILGPSHPDTSYYIRYRGAVYADSGNFERCIRLWKYALDMQNNLEPLSPMTASSF  
 LSFAELFSYVLQDRSAKGNLGMQLGFADLMGVLSKGVREVERALQLKPEPGDSAQFKAIAIILHLLYLL  
 EKVECTPSQEHLKHQTVYRLLKCAPRGKNGFTPLHMAVDKETTNGRYRVGIFPSLQVVKVLLDCGADPD  
 SRDFDNNTPLVHAAQNNCPAIMDALIEAGAHMDATNAFKKTAYELLDKLLAKSTMQPFNYVTLQCLAAR  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

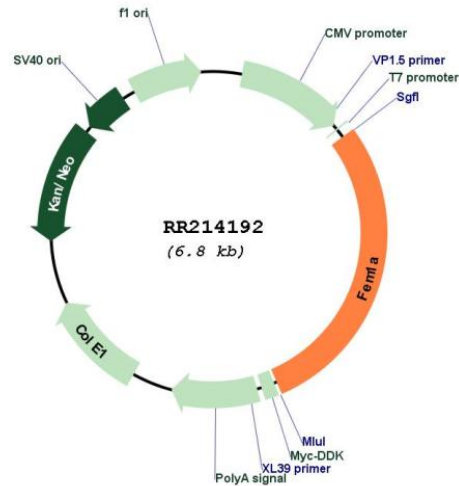
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001025706

ORF Size: 1962 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\\_001025706.1](#), [NP\\_001020877.1](#)

RefSeq Size: 2222 bp

RefSeq ORF: 1965 bp

Locus ID: 316131

UniProt ID: [Q4V890](#)

Cytogenetics: 9q12

MW: 72.1 kDa

**Gene Summary:** Probable component of an E3 ubiquitin-protein ligase complex, in which it may act as a substrate recognition subunit. May participate in antiinflammatory signaling via its interaction with PTGER4 (By similarity).[UniProtKB/Swiss-Prot Function]