

## Product datasheet for **MR209783**

### Fem1a (NM\_010192) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fem1a (NM_010192) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fem1a
Synonyms:	AW611390; Fem1aa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209783 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATCTGCACACAGCGGTGTACAATGCGGCGCACGACGGCAAGCTGCCGCTGCTGCAGAAGCTGCTGG  
 CCGGCCGTGGGCGTGAGGAGCTGGAGGAGCTGCTGGGTGAGGTGGCCGGCGGTGGCACGCCACTGCTAAT  
 CGCAGCGCGCCGTGGACACCTAGACGTGGTGGAGTATCTGGTGGACCACTGCGGGCCAGCGTGGAGGCG  
 AGCGGCTCCGTGCACTTCGATGGCGAGACCATCGAGGGCGCGCCGCCGCTCTGGGAGCGTGGCCGCGG  
 GTCACCTGGCCGTGGTGCAGTTCGCGCCGAGGGCGCTCGGTCAACCGCACCGCGCACCAACTC  
 CACGCCGCTGCGCGCCGCTGCTTCGACGGCCACCTGGACGTGGTACGCTACCTGGTGGGCGAGCACAAG  
 GCGGACCTGGAGGTGGCCAATCGCCACGGCCACACGTGCCTTATGATCTCCTGCTACAAGGGCCACCGCG  
 AGATCGCGCGCTACCTGCTGGAGCGCGGCACAGGTGAACCGGCGCAGCGCCAAGGGCAACACCGCCCT  
 GCACGACTGTGCAGAATCTGGCAGCCTGGAGATCTACAGCTGCTGCTGGGCTGCCACGCGCGCATGGAG  
 CGCGACGGCTATGGCATGACCCCGCTGCTGGCCGCCAGCGTCACCGGGCACCAACATCGTGGAGTACC  
 TCATCCAGGAACAGCCGGGCCACGAGCAGCTCTCAGGGACAGAGCTTCCCGGGGAAGGCTCCTCCAGGT  
 GGCAGGAAACCACTGCTCCACCCAGAAGAAGCAGAACCCTATGAGAGCTGCTGCCCTACCGCCGGGAA  
 GCAGCTGTGGAAGCTTTGGAGCTGCTGGGTGCCACCTACGTGGATAAGAAAAGGGATCTGCTTGGAGCCC  
 TGAAGCACTGGAGAAGGGCGATGGAACCTCCGTACCCAGGGTGGAGGCTACCTCCCTAAGCCGGAGCCCCA  
 GCAACTGGTCTGGCCTATGACTATTCCAGGGAGGTGACTACCCCAAGAGTTGGAAGCCCTCATTACA  
 GATCCTGATGAAATGCGGATGCAGGCGCTGCTGATACGGGAGAGAATCTTGGGCCCTCACATCTGACA  
 CTTCACTACTACATACGGTACCGGGTGTGTCTATGCGGACTCCGGGAATTCGAGCGCTGATCCGCTCT  
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 CTGTCGTTTGCAGAGCTTCTCTCTACGTGCTGCAGGACCCTCGGCCAAGGGCAACCTGGGCATGCAGC  
 TTGGCTTTGCCGACCTCATGGGTGTGCTCAGCAAAGGGTTCGGGAAGTGGAGCGGGCTCTGCAGTTGCC  
 CAAGGAACCGGTGACTCCGCACAGTTCACCAAAGCCATTGCCATCATCTCCACCTTCTGTACCTATTG  
 GAGAAGGTGGAGTGCACCCCGAGCCAGGAACACCTCAAGCACCAGACAGTCTACCGCTGCTCAAGTGTG  
 CCCCTCGCGTAAAAACGGCTTACCCCACTACACATGGCGGTGGACAAGGAGACCACCAACGTGGGCCG  
 GTATCGTGTGGGCTCTCCCATCGCTGCAGGTGGTCAAGGTGCTGTTGGACTGCGGAGCAGACCCTGAC  
 AGCAGGGATTTGACAACAACCCCACTGCACATCGCTGCCAGAATAATTGCCCGCCATCATGGATG  
 CTCTCATCGAAGCTGGGGCCACATGGACGCCACCAATGCCTTCAAAAAGACTGCCACGAGCTGCTGGA  
 CTCGAAGCTGTTGGCTAAGAGCACCGTGCAGCCTTTCAATTATGTGACACTGCAGTGCCTAGCTGCCCGT  
 GCCCTGGACAGGAACAAGGTCCTTATAAGGGTTCATCCAGAGGAGCTGGAGGCCCTCATCCAGTTGC  
 AT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

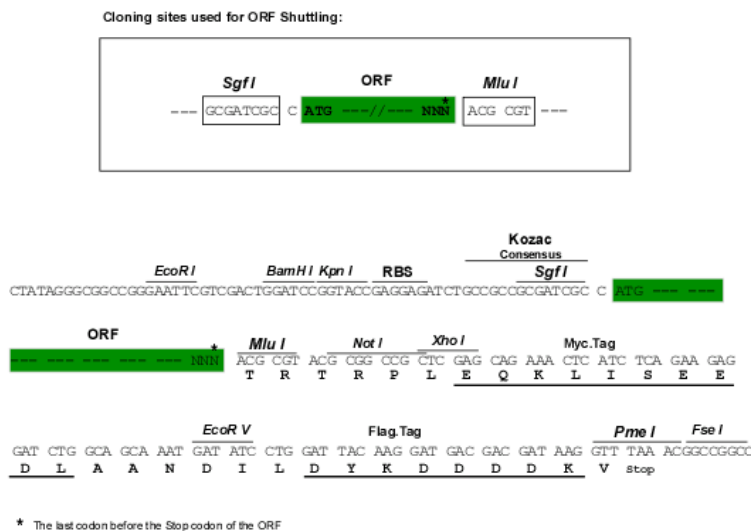
**Protein Sequence:** >MR209783 protein sequence  
Red=Cloning site Green=Tags(s)

MDLHTAVYNAHDGKLP LLQKLLAGRGREELEELLGEVAGGGTPLLIAARRGHLDVVEYLVDHCGASVEA  
 SGSVHFDGETIEGAPPLWAASAAGHLAVRSLRRGASVNRTTRTNSTPLRAACFDGHLDVVRYLVGEHK  
 ADLEVANRHGHTCLMISCYKGHREIARYLLERGAQVNNRRSAKNTALHDCAESGSLEILQLLLGCHARME  
 RDGYGMTPLLAASVTGHTNIVEYLIQE QPGHEQLSGTELPGE GSSQVAGNHCSTPEEAEPYESCCPTSRE  
 AAVEALELLGATYVDKRDLLGALKHWRRAMELRHQGGGYLPKPEPQQLVLAYDYSREVTPQEALIT  
 DPDEM RMQALLIRERILGPSHPDTSYYIRYRGAVYADSGNFERCIRLWKYALDMQNNLEPLSPMTASSF  
 LSFAELFSYVLQDRSAKGNLGMQLGFADLMGVLSKGVREVERALQLKPEPGDSAQFKAIAIILHLLYLL  
 EKVECTPSQEHLKHQTVYRLLKCAPRGKNGFTPLHMAVDKETTNGRYRVGVFPSLQVVKVLLDCGADPD  
 SRDFDNNTP LHIAAQNNCPAIMDALIEAGAHMDATNAFKKTAYELLD SKLLAKSTVQPFNYVTLQCLAAR  
 ALDRNKVPYKGFIP EELEAFIQLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010192

**ORF Size:** 1965 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\\_010192.4](#)

**RefSeq Size:** 6834 bp

**RefSeq ORF:** 1965 bp

**Locus ID:** 14154

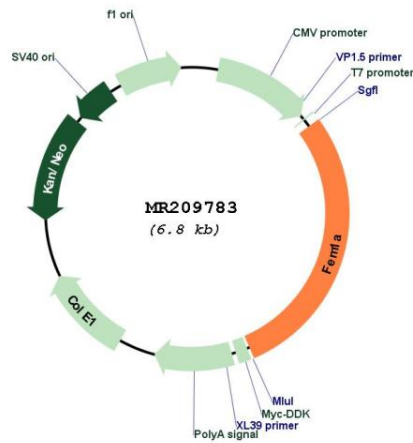
**UniProt ID:** [Q9Z2G1](#)

**Cytogenetics:** 17 29.24 cM

**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]

### Product images:



Circular map for MR209783