

## Product datasheet for **MG209783**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fem1a (NM_010192) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fem1a
Synonyms:	AW611390; Fem1aa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG209783 representing NM\_010192  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGATCTGCACACAGCGGTGTACAATGCGGCGCACGACGGCAAGCTGCCGCTGCTGCAGAAGCTGCTGG  
CCGGCCGTGGGCGTGAGGAGCTGGAGGAGCTGCTGGGTGAGGTGGCCGGCGGTGGCACGCCACTGCTAAT  
CGCAGCGCGCCGTGGACACCTAGACGTGGTGGAGTATCTGGTGGACCACTGCGGGCCAGCGTGGAGGCG  
AGCGGCTCCGTGCACTTCGATGGCGAGACCATCGAGGGCGCGCCGCCGCTCTGGGAGCGTGGCCGCGG  
GTCACCTGGCCGTGGTGCAGTTCGCGCCGAGGGCGCTCGGTCAACCGCACACGCGCACCAACTC  
CACGCCGCTGCGCGCCGCTGCTTCGACGGCCACCTGGACGTGGTACGCTACCTGGTGGGCGAGCACAAG  
GCGGACCTGGAGGTGGCCAATCGCCACGGCCACACGTGCCTTATGATCTCCTGCTACAAGGGCCACCGCG  
AGATCGCGCGCTACCTGCTGGAGCGGGCGCACAGGTGAACCGGGCAGCGCCAAGGGCAACACCGCCCT  
GCACGACTGTGCAGAATCTGGCAGCCTGGAGATCTACAGCTGCTGCTGGGCTGCCACGCGCGCATGGAG  
CGCGACGGCTATGGCATGACCCCGCTGCTGGCCGCCAGCGTCACCGGGCACCAACATCGTGGAGTACC  
TCATCCAGGAACAGCCGGGCCACGAGCAGCTCTCAGGGACAGAGCTTCCCGGGGAAGGCTCCTCCAGGT  
GGCAGGAAACCACTGCTCCACCCAGAAGAAGCAGAACCCTATGAGAGCTGCTGCCCTACCGCCGGGAA  
GCAGCTGTGGAAGCTTTGGAGCTGCTGGGTGCCACCTACGTGGATAAGAAAAGGGATCTGCTTGGAGCCC  
TGAAGCACTGGAGAAGGGCGATGGAACCTCCGTACCCAGGGTGGAGGCTACCTCCCTAAGCCGGAGCCCCA  
GCAACTGGTCTGGCCTATGACTATTCCAGGGAGGTGACTACACCCCAAGAGTTGGAAGCCCTCATTACA  
GATCCTGATGAAATGCGGATGCAGGCGCTGCTGATACGGGAGAGAATCTTGGGCCCTCACATCCTGACA  
CTTCATACTACATACGGTACCGGGTGTGTCTATGCGGACTCCGGGAATTCGAGCGCTGTATCCGCTCT  
GTGGAAGTATGCCTTGGACATGCAACAAAACAACCTTGGAGCCCTGAGCCCATGACCGCCAGCAGCTTC  
CTGTCTTTGCAGAGCTTCTCTCTACGTGCTGCAGGACCCTCGGCCAAGGGCAACCTGGGCATGCAGC  
TTGGCTTTGCCGACCTCATGGGTGTGCTCAGCAAAGGGTTCGGGAAGTGGAGCGGGCTCTGCAGTTGCC  
CAAGGAACCGGTGACTCCGCACAGTTCACCAAAGCCATTGCCATCATCTCCACCTTCTGTACCTATTG  
GAGAAGGTGGAGTGCACCCCGAGCCAGGAACACCTCAAGCACCAGACAGTCTACCGCTGCTCAAGTGTG  
CCCCTCGCGTAAAACGGCTTACCCCACTACACATGGCGGTGGACAAGGAGACCACCAACGTGGGCCG  
GTATCGTGTGGGCTTCTCCATCGCTGCAGGTGGTCAAGGTGCTGTTGGACTGCGGAGCAGACCCTGAC  
AGCAGGGATTTGACAACAACACCCCACTGCACATCGCTGCCAGAATAATTGCCCGCCATCATGGATG  
CTCTCATCGAAGCTGGGGCCACATGGACGCCACCAATGCCTTCAAAAAGACTGCCACGAGCTGCTGGA  
CTCGAAGCTGTTGGCTAAGAGCACCGTGCAGCCTTCAATTATGTGACACTGCAGTGCCTAGCTGCCCGT  
GCCCTGGACAGGAACAAGGTCCTTATAAGGGTTCATCCAGAGGAGCTGGAGGCCCTCATCCAGTTGC  
AT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG209783 representing NM\_010192  
 Red=Cloning site Green=Tags(s)

MDLHTAVYNAAHDGKLP LLQKLLAGRGREEL EELLGEVAGGGTPLL IAARRGHL DVVEYLVDHCGASVEA  
 S GSVHFDGETIEGAPPLWAASAAGHLAVVRSLLRRGASVNRTRT NSTPLRAACFDGHL DVVRYL VGEHK  
 ADLEVANRHGHTCLMISCYKGHREIARYLLERGAQVNRRS AKGNTALHDCAESGSLEILQLLLGCHARME  
 RDGYGMTPLLAASVTGHTNIVEYLIQE QPGHEQLSGTELPGE GSSQVAGNHCSTPEEAEPYESCCPTSRE  
 AAVEALELLGATYVDKRDLLGALKHWRRAMELRHQGGG YLPKPEPQQLV LAYDYSREVTT PQEALIT  
 DPDEM RQALLIRERILGPSHPDTSYYIRYRGAVYADSGNFERC IRLWKYALDMQNNLEPLSPMTASSF  
 LSFAELFSYVLQDRSAKGNLGMQLGFADLMGVLSKGVREVERALQLPKEPGDSAQF TKAIAIILHLLYLL  
 EKVECTPSQEHLKHQTVYRLLKCAPRGKNGFTPLHMAVDKETT NVGRYRVGVFPSLQVVKVLLDCGADPD  
 SRDFDNNTP LHIAAQNNCPAIMDALIEAGAHMDATNAFKKTAYELLD SKLLAKSTVQPFNYVTLQCLAAR  
 ALDRNKVPYKGFIP EELEAFIQLH

TRTRPLE - GFP Tag - V

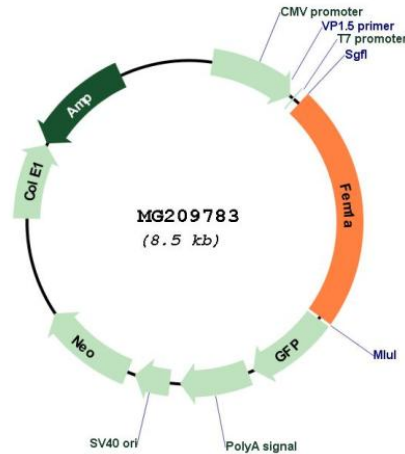
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_010192

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\\_010192.4](#)

RefSeq Size: 4256 bp

RefSeq ORF: 1965 bp

Locus ID: 14154

UniProt ID: [Q9Z2G1](#)

Cytogenetics: 17 29.24 cM

**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]