

Product datasheet for **RG201318**

FEM1A (NM_018708) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FEM1A (NM_018708) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FEM1A
Synonyms:	EPRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG201318 representing NM_018708
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGACCTCCGCACCCCGTGTACAACGCCCGCGTGTATGGCAAGCTGCAGCTGTCTCAGAAGCTGTCTCA
GCGGCCGAGCCGGGAGGAACTGGACGAGCTGACGGGCGAGGTGGCCGGCGGGGAAACGCCGCTACTCAT
CGCCGCCCGCTACGGCCACCTGGACGTGGTGGAGTACCTGGTGGACCGGTGCGGCCGAGCGTGGAGGCC
GGTGGCTCGGTGCACTTCGATGGCGAGACCATCGAGGGCGCGCCCGCTGTGGGCCGCTCCGAGCCG
GCCACCTGGACGTGGTGGGAGCCTGCTGCGCCGCGGGGCTCGGTGAACCGCACCACGCGACCAACTC
CACGCCTCTCCGCGCCGCTGCTTCGACGGCCACCTGGAGGTGGTGGCTACCTGGTGGGAGCACCAG
GCCACCTGGAGGTGGCCAAACCGGCACGGCCACACGTGCCTCATGATCTCGTGTACAAGGGCCACCGTG
AGATCGCCCGCTACCTGCTGGAGCAGGGCGCCAGGTGAACCGGCAGCGCCAAGGGCAACACGGCCCT
GCATGACTGCGCCGAGTCCGGCAGCCTGGAGATCTGCAGCTGCTGCTGGGTGCAAGGCCCGCATGGAA
CGTGACGGCTACGGCATGACCCCGCTGCTCGCGGCCAGCGTGACGGGCCACCAACATCGTGGAGTACC
TCATCCAGGAGCAGCCCGCCAGGAGCAGGTGCGAGGGGAGAGGCTCAGCCTGGGTGCCCAAGAAGA
CCCCTCCACCAGCCAGGGGTGTGCGCAGCCTCAGGGGGCTCCGTGCTGCAGCTCCTCCCAGAGGAACCA
CTGAACGGGGAATCTTACGAAAGCTGCTGTCCCACAGCCGGGAAGTGCCGTGGAAGCCTTGAATTGC
TGGGAGCTACGTATGTGGATAAGAAACGAGATCTGCTTGGGGCCCTTAAACACTGGAGGGCGGCCATGGA
GCTGCGTACCAGGGGGCGAGTACCTGCCAAACCGGAGCCCCACAGCTGGTCTGGCCTATGACTAT
TCCAGGGAGGTCAACACCACCGAGGAGCTGGAGGCGTGATCACCGACCCGGATGAGATGCGCATGCAGG
CCCTGTTGATCCGGGAGCGCATCCTCGTCCCTCGCACCCGGACACTTCTATTACATCCGTTACAGGGG
TGCCGTGTACGCCGACTCGGGCAATTCGAGCGCTGCATCCGCTTGTGGAAGTACGCCCTGGACATGCAA
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TCTACCAAAGGGGTCCGGGAAGTGAACGGGCCCTGCAGCTGCCAGGGAGCCCGGAGACTCAGCCAG
TTCACAAAGGCGTGGCCATCATCCTCCACCTGCTCTACCTGCTGGAGAAAGTGGAGTGCACCCAGCC
AGGAGCACCTGAAGCACCAGACCGTCTACCGCCTGCTCAAGTGCAGCGCCAGGGCAAGAACGGCTTCAC
CCCTCTGCACATGGTGTGGACAAGACACCACAACGTTGGGCCGCTATCCCGTGGGAGATTCCCCTCC
CTGCACGTGGTCAAAGTGTGCTCGACTGCGGGCCGACCCGGACAGCAGGGATTTGACAACAACACCC
CGCTACACATAGCAGCCAGAACAACCTGCCCGGCATCATGAATGCCCTGATCGAAGCAGGGGCCACAT
GGACGCCACCAATGCCTTCAAGAAGACGGCCTACGAGCTGCTGGACGAGAAGCTGCTGGCCAGGGTACC
ATGCAGCCCTTCAACTACGTGACCCTGCAGTGCCTTGGCGCCCGGGCCCTGGATAAGAACAAGATCCCTT
ACAAGGGCTTCATCCCGAAGATCTGGAGGCGTTCATCGAACTGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201318 representing NM_018708
Red=Cloning site Green=Tags(s)

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MDLRTAVYNAARDGKQLQLLQKLLSGRSREELDEL TGEVAGGGTPLLIAARYGHLDVVEYLVDRCGASVEA
GGSVHFDGETIEGAPPLWAASAAGHLDVVRSLRRGASVNRTRTNTSTPLRAACFDGHLEVRYLVGEHQ
ADLEVANRHGHTCLMISCYKGHREIARYLLEQGAQVNRSAKNTALHDCAESGSLEILQLLLGCKARME
RDGYGMTPLLAASVTGHTNIVEYLIQE QPQEQVAGGEAQPGLPQEDPSTSQGCAQPQGAPCCSSSPEEP
LNGESYESCPTSREAAVEALELLGATYVDKRDLLGALKHWRRAMELRHQGGEYLPKPEPPQLVLAYDY
SREVNTTEELEALITDPDEMARMQALLIRERILGPSHPDTSYYIRYRGAVYADSGNFERCIRLWKYALDMQ
QSNLEPLSPMTASSFLSFAELFSYVLQDRAAKGSLGTQIGFADLMGVLTKGVREVERALQLPREPGDSAQ
FTKALAIILHLLYLLEKVECTPSQEHLKHQTVYRLLKCAPRGKNGFTPLHMAVDKDTTNGRYPVGRFPS
LHVVKVLLDCGADPDSRDFDNNTPLHIAAQNNCPAIMNALIEAGAHMDATNAFKKTAYELLEKLLARGT
MQPFNYVTLQCLAARALDKNKIPYKGFIPEDLEAFIELH
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018708

ORF Size: 2007 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_018708.3](#)

RefSeq Size: 3844 bp

RefSeq ORF: 2010 bp

Locus ID: 55527

UniProt ID: [Q9BSK4](#)

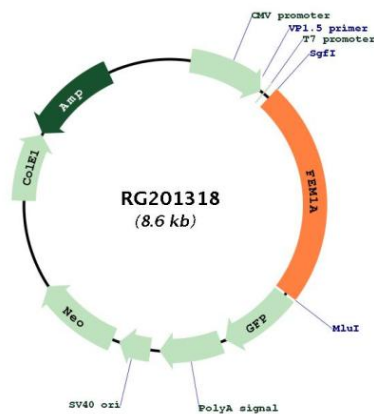
Cytogenetics: 19p13.3

Domains: ANK

Protein Families: Druggable Genome

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

Product images:



Circular map for RG201318