

Product datasheet for **RG203618**

FEM 1B (FEM1B) (NM_015322) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FEM 1B (FEM1B) (NM_015322) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FEM 1B
Synonyms:	F1A-ALPHA; F1AA; FEM1-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203618 representing NM_015322
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGGGCCTGGCTGGCTATGTATACAAGGCGGCCAGCGAGGGCAAGGTGCTGACTCTGGCCGCTTGC
 TTCTCAACCGGTCTGAAAGCGACATCCGCTATCTGCTTGGCTATGTCAGCCAGCAGGAGGGCAGCGCTC
 CACGCCCTCATCATCGCAGCCGCAATGGACACGCAAGGTGGTACGCTTGCTCTTAGAACATTACCGG
 GTGCAGACTCAGCAGACTGGCACCGTCCGCTTCGACGGGTATGTCATTGATGGTGCCACTGCTCTTTGGT
 GTGCAGCTGGAGCAGGACATTTTGAAGTTGTTAAACTTCTAGTCAGCCATGGAGCCAACGTGAACCATAC
 CACAGTAACTAATTCAACCCCTGCGGGCAGCATGCTTTGATGGCAGACTGGACATTGTGAAATACTTG
 GTTGAAAATAATGCCAATCAGCATTGCCAACAAATATGACAACACCTGCCTAATGATTGCGGCATATA
 AGGGACACACTGATGTGGTCAGATACCTTTTGAACAACGTGCTGATCCCAATGCCAAAGCAGATTGTGG
 AGCCACAGCATTGCATTTGCAGCTGAAGCTGGGCACATAGATATTGTGAAAGAGCTGATAAATGGCGT
 GCTGCTATAGTAGTGAATGGCCATGGGATGACGCCATTGAAAGTAGCTGCCGAAAGCTGTAAAGCTGATG
 TCGTAGAACTGTTACTCTCTCATGCTGATTGCGACCGAAGAAGTCGGATTGAAGCTTTGAACTCTTGGG
 TGCTCTCTTTGCAATGACCGTGAGAACTATGACATCATAAAGACATACCACTATCTATATTTAGCCATG
 TTAGAGAGGTTCCAAGATGGTGATAACATTCTCGAAAAAGAGGTTCTTCCACCAATCCATGCTTATGGGA
 ATAGAAGTGAATGTAGAAATCCTCAGGAAGTGGAGTCCATTGCGCAAGACAGAGATGCTCTTCATATGGA
 AGGCCTTATAGTTCGGGAACGGATTTTAGGTGCTGACAATATTGATGTTTCTCATCCCATCATTTACAGA
 GGAGCTGTTTATGCGGATAATATGGAATTTGAGCAGTGATCAAGTTGTGGCTTCATGCCCTGCACCTCA
 GACAAAAAGGTAACAGGAACACCCACAAGGATCTTCTTCGATTTGCTCAAGTTTTCTCACAAATGATACA
 TTTGAATGAAACTGTGAAGGCCCCAGACATAGAATGTGTTTTGAGATGCAGTGTTTTGGAAATAGAACA
 AGTATGAACAGAGTGAAAAATATTTAGATGCTGATGTCCACAATGCTATGGACAATTATGAATGAATC
 TCTATACCTTTCTGTATTTAGTGTGCATCTCTACCAAAACACAGTGCAGCGAAGAAGATCAGTGCAAAAT
 TAACAAGCAGATCTACAACCTGATTACCTTGATCCCAGAACTCGTGAAGGTTTACCTTGCTGCATCTG
 GCTGTCAACTCCAATACTCCAGTTGATGATTTCCACACCAATGACGTCTGCAGCTTTCCAATGCACTTG
 TCACAAAGCTCCTGCTGGACTGTGGTGTGAGGTGAATGCCGTGGACAATGAGGGAAACAGTGCCCTTCA
 TATTATCGTTAGTACAACAGGCCCATCAGTGATTTTTTGACCTTGCACTCCATCATCATTAGCCTAGTT
 GAAGCCGGAGCTCACACTGACATGACGAATAAACAGAATAAGACTCCGCTAGACAAAAGTACAAGTGGG
 TATCTGAAATACTGCTTAAACTCAAATGAAGATGAGTCTCAAGTGCCTGGCTGCCCGAGCAGTTCCGGC
 TAATGACATTAACACCAAGACCAGATCCCAGAACTCTTGAAGAGTTTGTGGATTTCAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG203618 representing NM_015322
 Red=Cloning site Green=Tags(s)

MEGLAGVYKAASEGKVLTLAALLLNRSSEDIRYLLGYVSQGGGQRSTPLIIAARNGHAKVVRLLLEHYR
 VQTQQTGTVRFDGYVIDGATALWCAAGAGHFEVVKLLVSHGANVNHTVTNSTPLRAACFDGRLDIVKYL
 VENNANISIANKYDNTCLMIAAYKGHTDVVRYLLEQRADPNAKAHCGATALHFAAEAGHIDIVKELIKWR
 AAIVVNGHMTPLKVAESCKADVVELLLSHADCDRRSRIEALELLGASFANDRENYDIKTYHYLYLAM
 LERFQDGDNIKEVLPPIHAYGNRTECRNPQELSESIRQDRDALHMEGLIVRERILGADNIDVSHPIIYR
 GAVYADNMEFEQIKLWLHALHLRQKGNRNTHKDLLRFAQVFSQMIHLNETVKAPDIECVLRCSVLEIEQ
 SMNRVKNISDADVHNAMDNYECNLYTFLYLCISTKTQCSEEDQCKINKIYNLIHLDPRRTREGFTLLHL
 AVNSNTPVDDFHTNDVCSFPNALVTKLLDCAEVNAVNEGNSALHIIQYNRPISDFLTLHSIIISLV
 EAGAHTDMTNKQNKTPLDKSTTGVSIEILLKTQMKMSLKLAARAVRANDINYQDQIPRTLEEFVGFH

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015322

ORF Size: 1881 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_015322.3](#), [NP_056137.1](#)

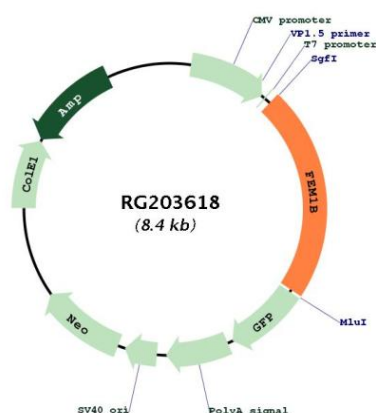
RefSeq Size: 2583 bp

RefSeq ORF: 1884 bp

Locus ID: 10116

UniProt ID:	<u>Q9UK73</u>
Cytogenetics:	15q23
Domains:	ANK
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes an ankyrin repeat protein that belongs to the death receptor-associated family of proteins and plays a role in mediating apoptosis. The encoded protein is also thought to function in the replication stress-induced checkpoint signaling pathway via interaction with checkpoint kinase 1. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG203618