

Product datasheet for **RC203618**

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:	Myc-DDK
Symbol:	FEM 1B
Synonyms:	F1A-ALPHA; F1AA; FEM1-beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC203618 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

 ATGGAGGGCCTGGCTGGCTATGTATACAAGGCGGCCAGCGAGGGCAAGGTGCTGACTCTGGCCGCTTGC
TTCTCAACCGGTCTGAAAGCGACATCCGCTATCTGCTTGGCTATGTCAGCCAGCAGGGAGGGCAGCGCTC
CACGCCCTCATCATCGAGCCCGCAATGGACACGCAAAGGTGGTACGCTTGCTCTTAGAACATTACCGG
GTGCAGACTCAGCAGACTGGCACCGTCCGCTTCGACGGGTATGTCATTGATGGTGCCACTGCTCTTTGGT
GTGCAGCTGGAGCAGGACATTTTGAAGTTGTTAAACTTCTAGTCAGCCATGGAGCCAACGTGAACCATAC
CACAGTAACTAATTCAACCCCTGCGGGCAGCATGCTTTGATGGCAGACTGGACATTGTGAAATACTTG
GTTGAAAATAATGCCAATCAGCATTGCCAACAAATATGACAACACCTGCCTAATGATTGCGGCATATA
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AGCCACAGCATTGCATTTGCAGCTGAAGCTGGGCACATAGATATTGTGAAAGAGCTGATAAATGGCGT
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TCGTAGAAGTGTACTCTCTCATGCTGATTGCGACCGAAGAAGTCGGATTGAAGCTTTGGAAGTCTTGGG
TGCTCTCTTTGCAATGACCGTGAGAACTATGACATCATAAAGACATACCACTATCTATATTTAGCCATG
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AGGCCTTATAGTTCGGGAACGGATTTTAGTGCTGACAATATTGATGTTTCTCATCCCATCATTTACAGA
GGAGCTGTTTATGCGGATAATATGGAATTTGAGCAGTGTATCAAGTTGTGGCTTCATGCCCTGCACCTCA
GACAAAAAGGTAAACAGGAACACCCACAAGGATCTTCTCGATTTGCTCAAGTTTTCTCACAATGATACA
TTTGAATGAAAGTGTGAAGGCCCGACACATAGAATGTGTTTTGAGATGCAGTGTTTTGGAAATAGAACA
AGTATGAACAGAGTGAAAAATATTTAGATGCTGATGTCCACAATGCTATGGACAATTATGAATGAATC
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GCTGTCAACTCCAATACTCCAGTTGATGATTTCCACACCAATGACGTCTGCAGCTTTCCAATGCACTTG
TCACAAAGCTCCTGCTGGACTGTGGTGTGAGGTGAATGCCGTGGACAATGAGGGAAACAGTGCCCTTCA
TATTATCGTTAGTACAACAGGCCCATCAGTGATTTTTTGACCTTGCACTCCATCATCATTAGCCTAGTT
GAAGCCGGAGCTCACACTGACATGACGAATAAACAGAATAAGACTCCGCTAGACAAAAGTACAAGTGGG
TATCTGAAATACTGCTTAAAGTCAAATGAAGATGAGTCTCAAGTGCCTGGCTGCCCGAGCAGTTCCGGC
TAATGACATTAAGTACCAAGACAGATCCCGAAGTCTTGAAGAGTTTGTGGATTTCAT

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

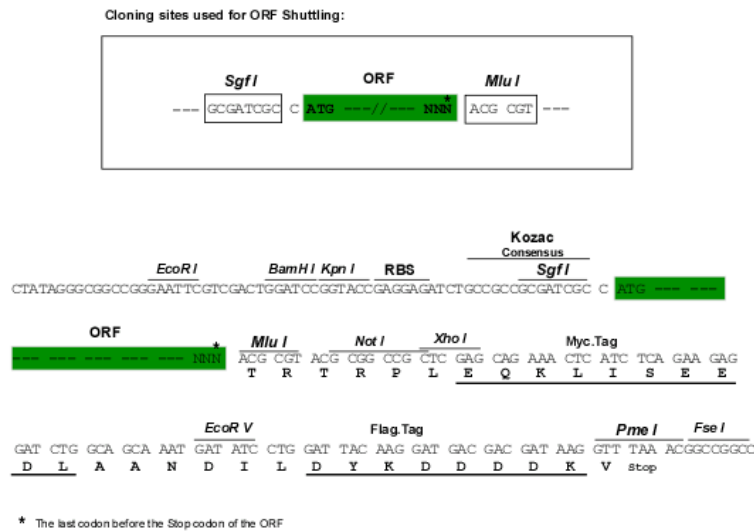
>RC203618 protein sequence

Red=Cloning site Green=Tags(s)

 MEGLAGVYKAASEGKVLTLAALLNRSSEDIRYLLGYVSQGGQQRSTPLIIAARNGHAKVVRLLLEHYR
VQTQQTGTVRFDGYVIDGATALWCAAGAGHFEVVKLLVSHGANVNHTTVTNSTPLRAACFDGRLDIVKYL
VENNANISIANKYDNTCLMIAAYKGHTDVVRYLLEQRADPNAKAHCGATALHFAAEAGHIDIVKELIKWR
AAIVVNGHGMTPLKVAAESCKADVVELLLSHADCDRRSRIEALELLGASFANDRENYDIKTYHYLYLAM
LERFQDGNILEKEVLPPIHAYGNRTECRNPQELSESIRQDRDALHMEGLIVRERILGADNIDVSHPIIYR
GAVYADNMEFEQIKLWLHALHLRQKGNRNTHKDLLRFAQVFSQMIHLNETVKAPDIECVLRCSVLEIEQ
SMNRVKNISDADVHNAMDNYECNLYTFLYLCISTKTQCSEEDQCKINKIYNLIHLDPRTREGFTLLHL
AVNSNTPVDDFHTNDVCSFPNALVTKLLLDCAEVNAVDNEGNSALHIIQVYNRPIISDFLTHSIIISLV
EAGAHTDMTNKQNKTPDKSTTGVSIEILLKTQMKMSLKLAARAVRANDINYQDQIPRTLEEFVGFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6428_e06.zip
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.

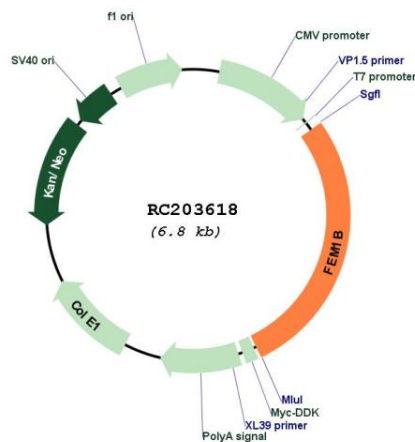
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

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

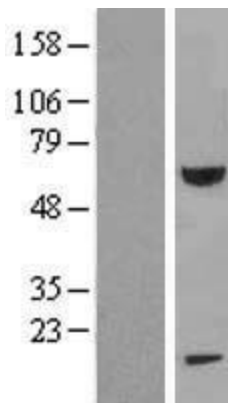
RefSeq Size: 7132 bp

RefSeq ORF:	1884 bp
Locus ID:	10116
UniProt ID:	Q9UK73
Cytogenetics:	15q23
Domains:	ANK
Protein Families:	Druggable Genome
MW:	70.3 kDa
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]

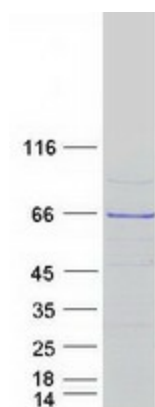
Product images:



Circular map for RC203618



Western blot validation of overexpression lysate (Cat# [LY414619]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203618 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FEM1B protein (Cat# [TP303618]). The protein was produced from HEK293T cells transfected with FEM1B cDNA clone (Cat# RC203618) using MegaTran 2.0 (Cat# [TT210002]).