

Product datasheet for **SC100460**

FEM1A (NM_018708) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FEM1A (NM_018708) Human Untagged Clone
Tag:	Tag Free
Symbol:	FEM1A
Synonyms:	EPRAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100460 sequence for NM_018708 edited (data generated by NextGen Sequencing)

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ATGGACCTCCGCACCGCCGTGTACAACGCCGCCGTGATGGCAAGCTGCAGCTGCTCCAG
AAGCTGCTCAGCGGCCGGAGCCGGGAGGAACTGGACGAGCTGACGGGCGAGGTGGCCGGC
GGGGGAACGCCGCTACTCATCGCCGCCGCTACGGCCACCTGGACGTGGTGGAGTACCTG
GTGGACCGGTGCGGCGCAGCGTGGAGGCCGGTGGCTCGGTGCACTTCGATGGCGAGACC
ATCGAGGGCGCGCCGCCGCTGTGGGCCGCCCTCCGACGCCGCCACCTGGACGTGGTGGCG
AGCCTGCTGCGCCGCGGGGCCTCGGTGAACCGCACACGCGCACCAACTCCACGCTCTC
CGCGCCGCTGCTTCGACGGCCACCTGGAGGTGGTGCCTACCTGGTTGGCGAGCACAG
GCCGACCTGGAGGTGGCCAACCGGCACGGCCACACGTGCCTCATGATCTCGTGCTACAAG
GGCCACCGTGAGATCGCCCGCTACCTGTGGAGCAGGGCGCCAGGTGAACCGGCGCAGC
GCCAAGGGCAACACGGCCCTGCATGACTGCGCCGAGTCCGGCAGCCTGGAGATCTCGAC
CTGCTGCTGGGGTGAAGGCCCGCATGGAACGTGACGGCTACGGCATGACCCCGTGCTC
GCGGCCAGCGTGACGGGCCACACCAACATCGTGGAGTACCTCATCCAGGAGCAGCCGGC
CAGGAGCAGGTGCGAGGGGAGAGGCTCAGCCTGGGCTGCCCCAAGAAGACCCCTCCACC
AGCCAGGGGTGTGCGCAGCCTCAGGGGGTCCGTGCTGCAGCTCTCCCAAGAGAACCA
CTGAACCGGGAATCTTACGAAAGCTGCTGTCCCACCAGCCGGGAAGCTGGCGTGGAAACC
TTGGAATTGCTGGGAGCTACGTATGTGGATAAGAAACGAGATCTGCTTGGGGCCCTTAA
CACTGGAGGCGGGCCATGGAGCTGCGTCACCAGGGGGCGAGTACCTGCCCAAACCGGAG
CCCCACAGCTGGTCTGGCCTATGACTATTCCAGGGAGGTCAACACCACCGAGGAGCTG
GAGGCGCTGATCACCGACCCGGATGAGATGCGCATGCAGGCCCTGTTGATCCGGGAGCGC
ATCCTCGGTCCCTCGCACCCGGACACTTCTATTACATCCGTTACAGGGGTGCCGTGTAA
GCCGACTCGGGCAATTTTCGAGCGCTGCATCCGCTTGTGGAAGTACGCCCTGGACATGCAA
CAGAGCAACCTGGAGCCTCTGAGCCCCATGACCGCCAGCAGCTTCTCTCCTTCGCGGAA
CTTTCTCCTACGTGCTTCAGGACCGGGCCGCAAAGGCAGCCTGGGCACCCAGATCGGC
TTTGACAGACTCATGGGGTTCTCACCAAAGGGTCCGGGAAGTGAACGGGCCCTGCAG
CTGCCCAGGGAGCCCGGAGACTCAGCCAGTTCACCAAGGCGCTGGCCATCATCTCCAC
CTGCTCTACCTGCTGGAGAAAGTGGAGTGCACCCAGCCAGGAGCACCTGAAGCACCAG
ACCGTCTACCGCCTGCTCAAGTGCAGGCCAGGGGCAAGAACGGCTTACCCCTCTGCAC
ATGGCTGTGGACAAGGACACCACAAACGTGGGCCGCTATCCCGTGGGCGAGATTCCCCTC
CTGCACGTGGTCAAAGTGTGCTCGACTGCGGGGCCGACCCGGACAGCAGGGATTTTGAC
AACAAACCCCGCTACACATAGCAGCCAGAACAAGTCCCGGCCATCATGAATGCCCTG
ATCGAAGCAGGGGCCACATGGACGCCACCAATGCCTTCAAGAAGACGGCCTACGAGCTG
CTGGACGAGAAGCTGCTGGCCAGGGTACCATGCAGCCCTTAACTACGTGACCCCTGCAG
TGCTTGGCGCCCGGGCCCTGGATAAGAACAAGATCCCTTACAAGGGCTTCATCCCGGAA
GATCTGGAGGCGTTCATCGAACTGCACTGA
    
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Clone variation with respect to NM_018708.2
408 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018708 unedited
 TCCCCGCCCCTTGCCGCAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAG
 AGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAA
 TTCGGCACGAGGGGACGGTGAAGTTGCCTCCCGCCCGTCCGGGCTCTGATCCTCCGTCT
 CCCCCTCCCCGGCGGCCGCCCATGGCCTGGCGGAGGCCGAACCATGGACCTCCGCAC
 CGCCGTGTACAACGCCCGCGTGATGGCAAGCTGCAGCTGCTCCAGAAGCTGCTCAGCGG
 CCGGAGCCGGGAGGAACCTGGACGAGCTGACGGGCGAGGTGGCCGGCGGGGAACGCCGCT
 ACTCATCGCCGCCGCTACGGCCACCTGGACGTGGTGGAGTACCTGGTGGACCGGTGCGG
 CCGAGAGCTGGAGGCCGGTGGCTCGGTGCACTTCGATGGCGAGACCATCGAGGGCGCGC
 GCCGCTGTGGCCGCTCCGCAGCCGGCCACCTGGACGTGGTGGGAGCCTGCTGCGCCG
 CGGGGCTCGGTGAACCGCACCACGCGACCAACTCCACGCTCTCCGCGCCGCTGCTT
 CGACGGCCACCTGGNAGGTGGTGCCTACCTGGTGGCGAGCACCAGGCCGACTGGAGG
 CGGCCAACGGCACGGCCACACGTGCCTCATGATCTCGTGTACAAGGGCCACCGTGA
 TCGCCCGTACCTGCTGGAGCAGGGCGCCAGGTGAACCCGCGCAGGCCAAGGGCAACA
 CGGCCCTGCATGACTGCGCCGAGTCCGACGCCCTGGAGACCTGCACTGCTGCTGGGGTGC
 CAGCCCCATGGAACGTGACCGCTTCGGCATGACCCCCCTGCTCGCGCCAGCGTGAAGG
 GCACACCACATCCGGGGAGTACCTATACAGGAACACCCCGCCAGAACACAGTCCCAAGGG
 GAAACGCTCACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018708 unedited
 GGTTTACTATGNACCGCGCCGATTCTAGNGATCGGTTTTTTTTTTTTTTTTTCTTTT
 GAGTATCTTTTTAATGACTTAAACACCAGCACGGGACTCGCCATGTAAACGGCCTCATT
 TCTGTGCTCTGTGCTTTGGGAGGACAGGGACACCATTTCCACCTCGGCTGAGTTAAAA
 CCTGTCTGTAAATTAATAAATAATTTCTAACACGGCAAAAAAAAAAAAAAAAAATCCAAAC
 GAGACCTAGTTTCCATCCAGGGACAGGATATTTCTGGACACCCCGGTCCTGCTCCTCC
 TAAGGGCTGGCCGTGGCTACTGCAGGGAGGATGCAGTGAGAATGGCTTCCCTGTGCTG
 TTTGCTGCTGTCTACGCTGGCCAAGAACCTGCTCCCGTCTGCCTGGGCTGATGGAGTCTC
 GCTCTTGACAAAAATCTGCTGGGGCAGTCTCTGGCAGCCCCAGCACCTTACCCTGAG
 TCACGGGAACCTGAGACTTTGTCAAACCTCGGCTGGAAGGCTGGTCTTGGAACTCGACG
 TCTTAAGTGGATTTATCGCATTAAACTGTGCTTGGGCCCTTTTATGAAGAATTGG
 GTCTCAAACCTTGGAGCCCTTAAAAAACACCTTGGGCCCTGTGGTTGCCCCACCAAGG
 AAATAAGAGCCCACTGCGGGGCAAAATGGCCTTCCCTTTTAACTTGGGCCCATTCGAA
 TGGCACACCAACCCATTTTGGCCCTTTTTTTGTGGGTGGCACAATAGTTTTTACGG
 GCTCTGCGGGGCCCTCCTGAGTCTTTGTTTTTGGAAACCCACCTTCTTTTTTATTGGG
 AAAAGGAAAACCTTGCAAGAGCCGTTTAAAAATCGGAACACCTGTTAAAGCGCCCCCAC
 GGAAGATGTTTAA

Restriction Sites:

NotI-NotI

ACCN:

NM_018708

Insert Size:

4500 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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_018708.1 , NP_061178.1
RefSeq Size:	3828 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]