

## Product datasheet for **RR206831**

### Fes (NM\_001108488) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fes (NM_001108488) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fes
Synonyms:	RGD1564385
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR206831 representing NM\_001108488  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTTCTCTTCAGAGCTGTGCAGCCCCAGGGCCACGGGGCAGTGCAACAGATGCAAGAAGCTGAGC  
 TTCGTTTATTGGAAGGGATGAGGAAGTGGATGGCGCAGAGGGTCAAGAGTGACCCGGAATATGCAGGATT  
 GCTTACCACATGTCTTGAAGACAGCGGGGCCAGAGCTGGAGCAGTGGCCCTGACAGCCCTGTCAGC  
 CAGTCTGGGCAGAGATAACAAGCCAGACGGAGAATTGAGCCGGTACTGCGGCAGCATGCAGAAGATC  
 TGAAGTCAAGGGCCCTGAGCAAGCTGAGCGTGCTGATCCGGGAGCGGCAGCACCTGAGAAAGACTTACAA  
 CGAGCAGTGGCAGCAGCTGCAGCAGGAGCTCACCAAGACCACAGCCAGGACATTGAGAAGCTAAAGAGC  
 CAGTACCGGACCCTGACACGAGATAGTGCCAGGGCAGGCGCAAGTACCAGGAAGCCAGCAAAGACAAGG  
 ATCGCGACAAGGCCAAAGACAAGTATGTACGAAGCCTGTGGAAGCTCTTGGCCACCACAACCGCTACGT  
 ACTGGGTGTGAGGGCCGCGCAGCTGCACCACCAGCACTACCACCAATTCATGCTGCCTGGCCTGCTGCAG  
 TCACTACAGGACTTGACGAAGAGATGGCAGGCATCCTGAAGGACATCCTGCAGGAATACCTAGAGATCA  
 GCAGTCTGGTGCAGGACGATGTGGCATCCATTCACCGTGAAGTGGCTGCAGCTGTGCTCGCATCCAGCC  
 TGAGTTTGAGTACCTAGGCTTCTGCGACAGTACGGATCTGCCCTGATGTCCCACCTTGTGTCACTTTT  
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 AGAGCGTGCAGCACACGCTGACCTCTGTGACAGACGAAGTGGCTGTGGCCACAAAGAGGTGCTGAGCCG  
 GCAGGAGATGGTCAGTCACTGACGCGGGAGCTCCAGTGCAGGAGCAGAACACCCACCCCGAGAACGG  
 GTGCAGCTTCTGGCAAGAGGCAGGTGCTGCAAGAGGCGATGCAGGGTTCAGGTAGCACTGTGCAATC  
 AGGACAAGCTTCAGGCTCAGCAGGAATCTACAGAGCAAGATGGAGCAGCTCGGGACAGCCGCCCCC  
 AGCCGTACCCTCCTTCAGGATGACCGTATTCCACCTCTCCAGGAGCAGGAGCGAGATGGGGGAAGG  
 ACACCCACCTGGAGATCATAAAGCCACTTCTGGAATCTCCGCCCAAGTCTCCATCCCTCCTC  
 CGCTGCAGCTCGTCCAGAGGTGCAAGCCCTCCACGAGCAGCTGTGGTACCATGGGGCTATCCCTCG  
 GGCAGAGGTAGCTGAGCTGCTAACACACTCCGGGGACTTCTGTTTCGGGAGAGCCAGGGCAAGCAGGAG  
 TATGTTCTGTCTGTGCTGTGGGATGGCCAGCCCCGACACTTCATCATCCAATCCTCAGATAACCTGTACC  
 GGCTGGAAGGGGACGGCTTCCAGCATCCCTTGTCTCATCACTACCTGCTGTCTCCAGCAGCCCT  
 TACAAAGAAGAGTGGTGTGTCTTGTTCAGGGCGGTACCCAAGGACAAGTGGGTACTGAAGCATGAGGAT  
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 AGCGAGGATCCTGAAACAGTACAACCACCCCAACATTGTACGTCTCATCGGGGTCTGCACACAGAAACAG  
 CCCATCTACATTGTATGGAGCTGGTTCAAGGGGGCGACTTCTCACCTTCTGCGGACAGAGGGAGCCC  
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 TTAAGTGGACTGCCCTGAAGCTTAAATTATGGACGCTACTCCTCAGAAAGTACGCTGTGGAGCTTTGG  
 CATTGCTGTGGGAGACCTTCAGCCTAGGGCCCTCACCTTATCCCAACCTCACCAATCAGCAGACACGG  
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 AGCAGTGTGGGCTATGAGCCGGGCAGAGCCCTAGCTTCAAGCACCATCTGCCAGGAGCTACAGAGTAT  
 CCGAAAGCGGCATCGG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR206831 representing NM\_001108488  
 Red=Cloning site Green=Tags(s)

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MGFSSEL CSPQGHGAVQQMQEAE LRLLEGMRKWMAQRVKS DREYAGLLHHMSLQDSGGQSWSSGPDSPVS
QSWAEIT SQTENLSRVL RQHAEDLNSGPLSKLSVL IRERQHRLRKYNEQWQQLQQELTKTHSQDIEKLKS
QYRTLTRDSAQARRKYQEASKDKDRDKAKDKYVRS LKLF AHHNRYVLGVRAAQLHHQHYHFMLPGLLQ
SLQDLHEEMAGILKDILQEYLEISSLVQDDVASIHRELA AAAARIQPEFEYLGFLRQYGSAPDVPPCVTF
DVSLL EEEGQLEPGDLQLNELTLESVQHTLTSVTDELAVATKEVLSRQEMVSQLQRELQCEEQNTHPRER
VQLLGKRQVLQEAMQGLQVALCNQDKLQAQQE LLSKMEQLGTGEP PAVPLLQDDRHSTSSTEQERDGG R
TPTLEI IKS HFSGIFRPKFSIP PPLQLVPEVQKPLHEQLWYHGAI PRAEVAELLTHSGDFLVRESQKQE
YVLSVLWDGQPRHFIIQSSDNL YRLEGDGFPSIPLLITHLLSSQQPLTKKSGV LFRAVPKDKWLVKHED
LVLGEQ IGRGNFGEVFSGRLRADNTPVAVKSCRETL PPD LKAKFLQEARILKQYNHPNIVRLIGVCTQKQ
PIYIVMELVQGGDFL TFLRTEGARLRVK TLLQMVGDAAAGMEYLESKCC IHRDLAARNCLVTEKNVLKIS
DFGMSREEADGIYAASAGLRQVPVKWT APEALNYGRYSSESDVWSFGILLWETFSLGASPYPNLTNQQTR
EFVEKGHRLPCPELCPDAVFRLMEQCWAYEPGQRPSFSTICQELQSIRKRHR
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001108488

ORF Size: 2466 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\\_001108488.1](#), [NP\\_001101958.1](#)

**RefSeq Size:** 2799 bp

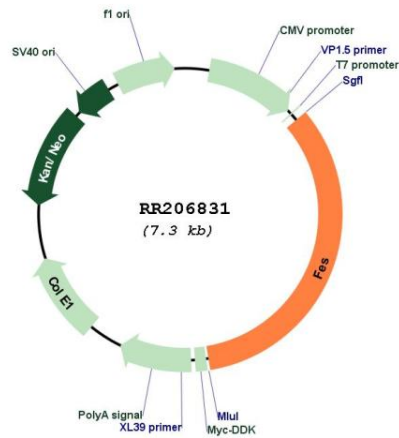
**RefSeq ORF:** 2469 bp

**Locus ID:** 361597

**Cytogenetics:** 1q31

**MW:** 93.6 kDa

**Product images:**



Circular map for RR206831