

## Product datasheet for **MR222933**

### Fes (NM\_010194) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fes (NM_010194) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fes
Synonyms:	A1586313; BB137047; c-fes; FPS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222933 representing NM\_010194  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTTCTCTTCAGAGCTGTGCAGCCCCAGGGCCACGGGGCAGTGCAGCAGATGCAGGAAGCTGAGC  
 TGCCTTATTGGAGGGCATGAGGAAGTGGATGGCCCAGAGGGTCAAGAGTGACCCGGAATATGCAGGATT  
 GCTTACCACATGTCTTGCAGGACAGCGAGGCCAGAGCTGGAGCAGCGCCCCGACAGCCCTGTCAGC  
 CAGTCTGGGCAGAGATAACAAGCCAGACCCGAGAATTGAGCCGGGTGCTGCGGCAGCATGCAGAAGATC  
 TGAACCGGGGCCCTTGAACAACTGAGCGTGTGATCCGGGAGCGGCAGCACCTGAGAAAGACGTACAA  
 CGAGCAGTGGCAGCAGCTGCAGCAGGAGCTCACCAAGACCCACAGCCAGGACATTGAGAAGCTGAAGACT  
 CAGTACCGGACCCTGGTACGAGATAGCACCCAGGCCAGGCCAAGTACCAGGAAGCCAGCAAAGACAAGG  
 ATCGAGACAAGGCCAAAGACAAGTATGTCCGGAGCCTGTGGAAGCTCTTGGCCACCACAACCGCTACGT  
 CCTGGGTGTGAGGGCCGACAGCTGCACCACCACCACCACCACCGTTTCATGCTGCCTGGCTGCTGCAG  
 TCACTGCAGGATTTGCACGAGGAGATGGCGGGCATTCTGAAGGACATCCTGCAGGAATACCTGGAGATTA  
 GCAGTCTGGTGCAGGACGATGTGGCATCCATTCACCGTGAAGTGGCTGCAGCTGTGCTCGGATCCAGCC  
 TGAGTTTGAGTACCTAGGCTTCTGCGACAATATGGATCCACCCCTGATGTGCCACCTTGTGTCACTTTT  
 GATGAGTCGCTTCTTGAAGACGGGGAACAGCTGGAGCCAGGGGAGCTGCAGCTGAACGAGTTGACCTTGG  
 AGAGCGTGCAACACACGCTGACTTCTGTGACAGATGAAGTGGCTGTGGCCACAAAGAGGTGCTGAGCCG  
 GCAGGAGATGGTCAGTCACTGCAGCGTGAAGTCCAAAGTGAGGAACAGAACACCCACCCCGGGAAACGG  
 GTGCAGCTTCTGAGCAAGAGGCAGATGCTGCAAGAGGCAATAAAGGGTGCAGATAGCAGCTGTGCAGCC  
 AGGACAAGCTTCAAGCCAGCAGGAATCTGCAGAGCAAGATGGAGCAGCTCGGCACGGCCGAGCCCCC  
 AGCCGTGCCGCTCCTTACAGGATGACCGCCATTCCACCTCCTCCAGGAGCAGGAGCGAGAGGGGGAAAGG  
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 CACTGCAGCTCGTGCCGAGGTGCAGAAGCCTCTCTATGAGCAGCTGTGGTACCACGGGGCTATCCCTCG  
 GGCAGAGGTAGCTGAGCTGCTAACACACTCCGGGGACTTCTGGTTCGGGAGAGCCAGGGCAAGCAGGAG  
 TATGTAAGTGTCTGTGATGTGGGATGGCCAGCCCCGACATTTATCATCCAGTCTCAGATAACCTGTACC  
 GGCTGGAAGGGGATGGCTTCCCCAGCATACCTCTGCTCATCACTACCTGCTGTCTCCAGCAACCCCT  
 TACAAAGAAGAGTGGTGTTCCTGTTCAGGGCGGTGCCAAGGACAAGTGGGTTCTGAAGCACGAGGAC  
 CTGGTGTGGGAGAGCAGATCGGAAGGGGGAATTCGGAGAGGTGTTAGTGGCCGCTTCTGTGCAGACA  
 ATACCCCGGTGGCTGTGAAGTCTTGCCGAGAGACTCCACCTGACCTCAAGGCCAAGTTTCTGCAAGA  
 AGCAAGGATCCTGAAACAGTACAACCACCCCAACATTGTGCGTCTCATCGGGGTCTGCACACAGAAACAG  
 CCGATCTACATCGTCATGGAGCTCGTTCAAGGGGGCGACTTTCTCACCTCCTGCGGACAGAGGGAGCCC  
 GCCTGCGGGTGAAGACTGCTGCAGATGGTAGGGGACGCAGCTGCTGGCATGGAATACTTGAAAGCAA  
 GTGTTGTATCCACAGGGACCTGGCTGCTCGAACTGCCTGGTGACAGAGAAGAATGTCTGAAGATCAGC  
 GACTTTGGGATGTCCCGAAGAAGCTGATGGGATCTATGCCGCCTCAGCGGGCTCAGACAAGTCCCTG  
 TTAAGTGGACTGCCCCTGAGGCCCTTAACACGGACGCTACTCCTCAGAGAGTGTGTGTGGAGCTTTGG  
 CATTCTTGTGAGAAAGGGGCATCGTCTGCCCTTGCCAGAGCTGTGCCCTGATGCGGTCTTACAGGCTCATGG  
 AGCAGTGTGGGCTATGAGCCTGGGCAGAGACCTAGTTTCAGCATCATCTGCCAGGAGCTCCACAGTAT  
 CCGCAAGCGGCATCGG

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222933 representing NM\_010194  
Red=Cloning site Green=Tags(s)

MGFSSELCSPPQGHGAVQQMQEAE LRLLEGMRKWMAQRVKSDREYAGLLHHMSLQDSGGQSWSSGPDSPVS  
QSWAEITSGTENLSRVLRQHAEDLNSGPLSKLSVLIRERQHLRKYNEQWQQLQQELTKTHSQDIEKTKT  
QYRTLVRDSTQARRKYQEASKDKDRDKAKDKYVRSWKLFAHNNRYVLGVRAAQLHHHHHHRFMLPGLLQ  
SLQDLHEEMAGILKDILQEYLEISSLVQDDVASIHRELA AAAARIQPEFEYLGF LRQYGSTPDVPPCVTF  
DESLLEDGEQLEPGELQLNELTLESVQHTLTSVTDELAVATKEVLSRQEMVSQLQRELQSEEQNTHPRER  
VQLLSKRQMLQEAIQGLQIALCSQDKLQAQQEELLQSKMEQLGTGEP PAVPLLQDDRHSTSSTEQERE GGR  
TPTLEILKSHFSGIFRPKFSIPPLQLVPEVQKPLYEQLWYHGAIPRAEVAELLTHSGDFLVRESQKQKQ  
YVLSVMWDGQPRHFIIQSSDNL YRLEGDGFPSIPLLI THLLSSQQPLTKKSGVVLFRVAVPKDKWLVKHE D  
LVLGEQIGRGNFGEVFSGRLRADNTPVAVKSCRETLPPDLKAKFLQEARILKQYNHPNIVRLIGVCTQKQ  
PIYIVMELVQGGDFLTLRTEGARLRVKTL LQMVGDAAAGMEYLESKCCIHRLAARNCLVTEKNVLKIS  
DFGMSREEADGIYAASAGLRQVPVKT APEALNYGRYSSESDVWSFGILLWETFSLGASYPNLTNQTR  
EFVEKGHRLPCPELCPDAVFR LMEQCWAYEPGQRPSFSIICQELHSIRKRHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9009\\_f01.zip](https://cdn.origene.com/chromatograms/mm9009_f01.zip)

Restriction Sites: Sgfl-Mlul



**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\\_010194.2](#), [NP\\_034324.2](#)

**RefSeq Size:** 2780 bp

**RefSeq ORF:** 2469 bp

**Locus ID:** 14159

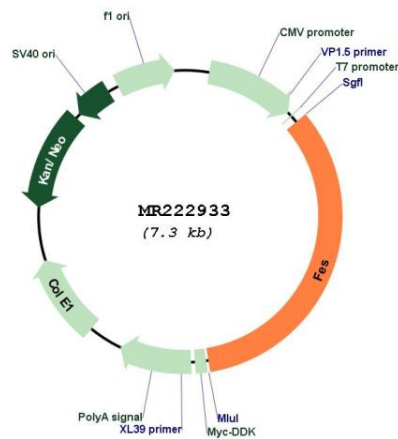
**UniProt ID:** [P16879](#)

**Cytogenetics:** 7 45.65 cM

**MW:** 94.2 kDa

**Gene Summary:** Tyrosine-protein kinase that acts downstream of cell surface receptors and plays a role in the regulation of the actin cytoskeleton, microtubule assembly, cell attachment and cell spreading. Plays a role in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Acts down-stream of the activated FCER1 receptor and the mast/stem cell growth factor receptor KIT. Plays a role in the regulation of mast cell degranulation. Plays a role in the regulation of cell differentiation and promotes neurite outgrowth in response to NGF signaling. Plays a role in cell scattering and cell migration in response to HGF-induced activation of EZR. Phosphorylates BCR and down-regulates BCR kinase activity. Phosphorylates HCLS1/HS1, PECAM1, STAT3 and TRIM28.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR222933