

Product datasheet for **MC221850**

Fes (NM_010194) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fes (NM_010194) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC221850 representing NM_010194
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTTCTCTTCAGAGCTGTGCAGCCCCAGGGCCACGGGGCAGTGCAGCAGATGCAGGAAGCTGAGC
 TGCCTTATTGGAGGCCATGAGGAAGTGGATGGCCAGAGGGTCAAGAGTGACCCGGAATATGCAGGATT
 GCTTACCACATGTCTTGCAGGACAGCGAGGCCAGAGCTGGAGCAGCGGCCCGACAGCCCTGTCAGC
 CAGTCTGGGCAGAGATAACAAGCCAGACCGAGAAGTTCAGCCGGGTGCTGCGGCAGCATGCAGAAGATC
 TGAAGTCCGGGCCCTTGAACAACTGAGCGTGTGATCCGGGAGCGGCAGCACCTGAGAAAGACGTACAA
 CGAGCAGTGGCAGCAGCTGCAGCAGGAGCTCACCAAGACCCACAGCCAGGACATTGAGAAGCTGAAGACT
 CAGTACCGGACCCTGGTACGAGATAGCACCCAGGCCAGGCCAAGTACCAGGAAGCCAGCAAAGACAAGG
 ATCGAGACAAGGCCAAAGACAAGTATGTCCGGAGCCTGTGGAAGCTCTTGGCCACCACAACCGCTACGT
 CCTGGGTGTGAGGGCCGACAGCTGCACCACCACCACCACCACCGTTTCATGCTGCCTGGCTGCTGCAG
 TCACTGCAGGATTTGCACGAGGAGATGGCGGGCATTCTGAAGGACATCCTGCAGGAATACCTGGAGATTA
 GCAGTCTGGTGCAGGACGATGTGGCATCCATTCACCGTGAAGTGGCTGCAGCTGTGCTCGGATCCAGCC
 TGAGTTTGAGTACCTAGGCTTCTGCGACAATATGGATCCACCCCTGATGTGCCACCTTGTGTCACTTTT
 GATGAGTCGCTTCTTGAAGACGGGGAACAGCTGGAGCCAGGGGAGCTGCAGCTGAACGAGTTGACCTTGG
 AGAGCGTGCAACACACGCTGACTTCTGTGACAGATGAAGTGGCTGTGGCCACAAAGAGGTGCTGAGCCG
 GCAGGAGATGGTCAGTCACTGCAGCGTGAAGTCCAAAGTGAAGAACAGAACACCCACCCCGGGAACGG
 GTGCAGCTTCTGAGCAAGAGGCAGATGCTGCAAGAGGCAATACAAGGGTTCAGATAGCAGCTGTGCAGCC
 AGGACAAGCTTCAGGCCAGCAGGAATCTGCAGAGCAAGATGGAGCAGCTCGGCACGGCCGAGCCCCC
 AGCCGTGCCGCTCCTTCAGGATGACCGCCATTCACCTCCTCCAGGAGCAGGAGCGAGAGGGGGGAAGG
 ACACCCACACTGGAGATCCTTAAAAGCCACTTCTCCGGAATCTCCGCCCAAGTCTCTATCCCTCCAC
 CACTGCAGCTCGTGCCGAGGTGCAGAAGCCTCTATGAGCAGCTGTGGTACCACGGGGCTATCCCTCG
 GGCAGAGGTAGCTGAGCTGCTAACACACTCCGGGGACTTCTGGTTCGGGAGAGCCAGGGCAAGCAGGAG
 TATGACTGTCTGTGATGTGGGATGGCCAGCCCCGACATTTATCATCCAGTCTCAGATAACCTGTACC
 GGCTGGAAGGGGATGGCTTCCCCAGCATACCTCTGCTCATCACTACCTGCTGCTCCTCCAGCAACCCCT
 TACAAAGAAGAGTGGTGTGTCTGTTCCAGGGCGGTGCCAAGGACAAGTGGGTTCTGAAGCACGAGGAC
 CTGGTGTGGGAGAGCAGATCGGAAGGGGGAATTCGGAGAGGTGTTAGTGGCCGCTTCTGTCAGACA
 ATACCCCGGTGGCTGTGAAGTCTTGCCGAGAGACTCCACCTGACCTCAAGGCCAAGTTTCTGCAAGA
 AGCAAGGATCCTGAAACAGTACAACCACCCCAACATTGTGCGTCTCATCGGGGTCTGCACACAGAAACAG
 CCGATCTACATCGTCATGGAGCTCGTTCAAGGGGGCGACTTTCTCACCTCCTGCGGACAGAGGGAGCCC
 GCCTGCGGGTGAAGACTGCTGCAGATGGTAGGGGACGCAGCTGCTGGCATGGAATACTTGAAAGCAA
 GTGTTGTATCCACAGGGACCTGGCTGCTCGAACTGCCTGGTGACAGAGAAGAATGTCTGAAAGTACAGC
 GACTTTGGGATGTCCCGGAAGAAGCTGATGGGATCTATGCCGCCTCAGCGGGCTCAGACAAGTCCCTG
 TTAAGTGGACTGCCCCTGAGGCCCTTAAGTACGGACGCTACTCCTCAGAGAGTGTGTGTGGAGCTTTGG
 CATTGCTGTGGGAGACCTTCAGCTGGGGCCCTCACCTATCCCAACCTCACCAATCAGCAGACACGG
 GAGTTTGTAGAAAAGGGGCATCGTCTGCCCTTGCCAGAGCTGTGCCCTGATGCGGTCTTCAGGCTCATGG
 AGCAGTGTGGGCTATGAGCCTGGGCAGAGACCTAGTTTCAGCATCATCTGCCAGGAGCTCCACAGTAT
 CCGCAAGCGGCATCGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010194
Insert Size: 2469 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_010194.2 , NP_034324.2
RefSeq Size:	2780 bp
RefSeq ORF:	2469 bp
Locus ID:	14159
UniProt ID:	P16879
Cytogenetics:	7 45.65 cM
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]