

Product datasheet for **RC226809**

FES (NM_001143784) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FES (NM_001143784) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FES
Synonyms:	FPS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226809 representing NM_001143784
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTTCTCTCCGAGCTGTGCAGCCCCAGGGCCACGGGGTCTGCAGCAAATGCAGGAGGCCGAGC
 TTCGTCTACTGGAGGGCATGAGAAAGTGGATGGCCACGGGTCAAGAGTGACAGGGAGTATGCAGGACT
 GCTTACCACATGTCCCTGCAGGACAGTGGGGCCAGAGCCGGGCATCAGCCCTGACAGCCCCATCAGT
 CAGTCCTGGGCTGAGATCACCAGCCAACTGAGGGCTGAGCCGCTTGCTGCGGCAGCACGCAGAGGATC
 TGAAGTCAAGGGCCCTGAGCAAGCTGAGCCTGCTCATCCGGAAACGGCAGCAGCTTCGAAAGACCTACAG
 CGAGCAGTGGCAGCAGCTGCAGCAGGAGCTCACCAAGACCCACAGCCAGGACATTGAGAAGCTGAAGAGC
 CAGTACCGAGCTCTGGCACGGGACAGTGCCAAGCCAAGCGCAAGTACCAGGAGGCCAGCAAGACAAGG
 ACCGTGACAAGGCTAAGGACAAGTATGTGCGCAGCCTGTGGAAGCTCTTTGCTCACCACAACCGCTATGT
 GCTGGGCTGCGGGCTGCGCAGCTACACCACCAGCACCACCAGCTCCTGCTGCCCGGCTGCTGCGG
 TCACTGCAGGACCTGCAGGAGGATGGCTTGATCCTGAAGGAGATCCTGCAGGAATACCTGGAGATTA
 GCAGCCTGGTGCAGGATGAGGTGGTGGCCATTCACCGGAGATGGCTGCAGCTGTGCCCGCATCCAGCC
 TGAGGCTGAGTACCAAGGCTTCTGCGACAGTATGGGTCCGCACCTGACGTCCCACCCTGTGTACAGTTC
 GATGAGTCACTGCTTGAGGAGGGTGAACCGCTGGAGCCTGGGAGCTCCAGCTGAACGAGCTGACTGTGG
 AGAGCGTGCAGCACACGCTGACCTCAGTGACAGATGAGCTGGCTGTGGCCACCGAGATGGTGTTCAGGCG
 GCAGGAGATGGTTACGCAGCTGCAACAGGAGCTCCGGAATGAAGAGGAGAACACCCACCCCGGGAGCGG
 GTGCAGCTGCTGGGCAAGAGGCAAGTGTGCAAGAAGCACTGCAGGGCTGCAGGTAGCGCTGTGCAGCC
 AGGCCAAGCTGCAGGCCAGCAGGAGTTGCTGCAGACCAAGCTGGAGCACCTGGGCCCGCGGAGCCCCC
 GCCTGTGCTGCTCCTGCAGGATGACCGCCACTCCACGTGCTCCTCGGAGCAGGAGCGAGAGGGGGGAAGG
 ACACCCACGCTGGAGATCCTTAAGAGCCACATCTCAGGAATCTTCGCCCCCAAGTTCTCGAACCTGTACC
 GACTGGAAGGGGAAGGCTTCTAGCATTCTTTGCTCATCGACCACCTACTGAGCACCCAGCAGCCCT
 CACCAAGAAGAGTGGTGTGTCCTGCACAGGGCTGTGCCAAGGACAAGTGGGTGCTGAACCATGAGGAC
 CTGGTGTGGGTGAGCAGATTGGACGGGGAACTTTGGCGAAGTGTTCAGCGGACGCTGCGAGCCGACA
 ACACCCTGGTGGCGGTGAAGTCTTGTGAGAGACGCTCCACCTGACCTCAAGGCCAAGTTCTACAGGA
 AGCGAGGATCCTGAAGCAGTACAGCCACCCCAACATCGTGCCTCATTGGTGTCTGACCCAGAAGCAG
 CCCATCTACATCGTCATGGAGCTTGTGCAGGGGGCGACTTCTGACCTTCTCCGACGGAGGGGGCCC
 GCCTGCGGGTGAAGACTCTGCTGCAGATGGTGGGGATGCAGCTGCTGGCATGGAGTACCTGGAGAGCAA
 GTGCTGCATCCACCGGACCTGGCTGCTCGAACTGCCTGGTGACAGAGAAGAATGTCCTGAAGATCAGT
 GACTTTGGGATGTCCCGAGAGGAAGCCGATGGGGTCTATGCAGCCTCAGGGGGCCTCAGACAAGTCCCCG
 TGAAGTGGACCGACCTGAGGCCCTTAACACGGCCGCTACTCCTCCGAAAGCGACGTGTGGAGCTTTGG
 CATCTTGTCTGGGAGACCTTCAAGCTGGGGGCCCTCCCCATCCCAACCTCAGCAATCAGCAGACACGG
 GAGTTTGTGGAGAAGGGGGCCGCTGCCCTGCCAGAGCTGTGCTCCTGATGCCGTGTTCAAGCTCATGG
 AGCAGTGTGGCCATGAGCCTGGGCAGCGGCCAGCTTCAAGCACCATCTACCAGGAGCTGCAGAGCAT
 CCGAAAGCGGCATCGG

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226809 representing NM_001143784
 Red=Cloning site Green=Tags(s)

MGFSSEL CSPQGHV LQQMQE AELRLLEGMRK WMAQRV KSDREYAGLLHHMSLQDSGGQSR AISPDSPIS
 QSWAEITSQTEGLSRLLRQHAEDLNSGPLSKLSLLIRERQQLRKYSEQWQQLQQLTKTHSQDIEKLKS
 QYRALARDSAQAKRKYQEASKDKDRDKAKDKYVRSLWKLFAHHNRYVLGVRAAQLHHQHHLQLLPGLLR
 SLQDLHEEMACILKEILQEYLEISSLVQDEVVAIHREMAAAAARIQPEAEYQGF LRQYGSAPDVPPCVTF
 DESLLEEGEPELPGELQLNELTVESVQHTLTSVTDELAVATEMVFRRQEMVTQLQQELRNEEENTHPRER
 VQLLGKRQVLQEALQGLQVALCSQAKLQAQQLLQTKLEHLGPGEPPVLLLQDDRHSTSSSEQEREGR
 TPTLEILKSHISGIFRPKFSNLRYLEGEFSPISPLLDHLLSTQQPLTKKSGVVLHRAVPKDKWLVNHED
 LVLGEQIGRGNFGEVFSGR LRADNTLVAVKSCRETLPPDLKAKFLQEARILKQYSHPNIVRLIGVCTQKQ
 PIYIVMELVQGGDFLTLRTEGARLRVKTL LQMVGDAAAGMEYLESKCCIHRDLAARNCLVTEKNVLKIS
 DFGMSREEADGVYAASGGLRQVPVKWTAPEALNYGRYSSESDVWSFGILLWETFSLGASPYPNLSNQTR
 EFVEKGGRLPCPELCPDAVFR LMEQCWAYEPGQRPSFSTIYQELQSIRKRHR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001143784

ORF Size: 2256 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_001143784.1](#), [NP_001137256.1](#)

RefSeq ORF: 2259 bp

Locus ID: 2242

UniProt ID: [P07332](#)

Cytogenetics: 15q26.1

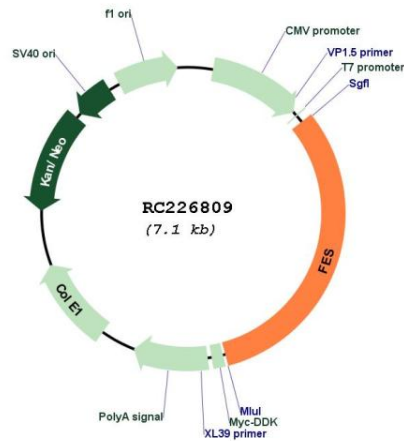
Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Axon guidance

MW: 85.3 kDa

Gene Summary: This gene encodes the human cellular counterpart of a feline sarcoma retrovirus protein with transforming capabilities. The gene product has tyrosine-specific protein kinase activity and that activity is required for maintenance of cellular transformation. Its chromosomal location has linked it to a specific translocation event identified in patients with acute promyelocytic leukemia but it is also involved in normal hematopoiesis as well as growth factor and cytokine receptor signaling. Alternative splicing results in multiple variants encoding different isoforms.[provided by RefSeq, Jan 2009]

Product images:



Circular map for RC226809