

Product datasheet for **SC118883**

FES (NM_002005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FES (NM_002005) Human Untagged Clone
Tag:	Tag Free
Symbol:	FES
Synonyms:	FPS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118883 sequence for NM_002005 edited (data generated by NextGen Sequencing)

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ATGGGCTTCTCTCCGAGCTGTGCAGCCCCAGGGCCACGGGTCTGCAGCAAATGCAG
GAGGCCGAGCTTCGTCTACTGGAGGGCATGAGAAAGTGGATGGCCAGCGGGTCAAGAGT
GACAGGGAGTATGCAGGACTGCTTACCACATGTCCTGCAGGACAGTGGGGCCAGAGC
CGGGCCATCAGCCCTGACAGCCCCATCAGTCAGTCCTGGGCTGAGATCACCAGCCAAAT
GAGGGCTGAGCCGCTTCTGTCGGCAGCACGAGAGGATCTGAAGTACAGGGCCCCGAGC
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CAGCAGCTGCAGCAGGAGCTCACCAAGACCCACAGCCAGGACATTGAGAAGCTGAAGAGC
CAGTACCAGCTCTGGCACGGGACAGTGCCCAAGCCAAGCGCAAGTACCAGGAGGCCAGC
AAAGACAAGGACCGTGACAAGGCTAAGGACAAGTATGTGCGCAGCCTGTGGAAGCTCTTT
GCTCACCACAACCGCTATGTGCTGGGCTGCGGGCTGCGCAGCTACACCACCAGCACCAC
CACCAGCTCCTGCTGCCCGCCTGCTGCGGTACTGCAGGACCTGCACGAGGAGATGGCT
TGCATCCTGAAGGAGATCCTGCAGGAATACCTGGAGATTAGCAGCCTGGTGCAGGATGAG
GTGGTGGCCATTACCGGGAGATGGCTGCAGCTGCTGCCCGCATCCAGCCTGAGGCTGAG
TACCAAGGCTTCCTGCGACAGTATGGGTCCGCACCTGACGTCCCACCCTGTGTACAGTTC
GATGAGTCACTGCTTGAGGAGGGTGAACCGCTGGAGCCTGGGGAGCTCCAGCTGAACGAG
CTGACTGTGGAGAGCGTGACACACGCTGACCTCAGTGACAGATGAGCTGGCTGTGGCC
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CAAGAAGCACTGCAGGGGCTGCAGGTAGCGCTGTGCAGCCAGGCCAAGCTGCAGGGCCAG
CAGGAGTTGCTGCAGACCAAGCTGGAGCACCTGGGCCCCGGGAGCCCCCGCCTGTGCTG
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GGGGGGCACTTCTGACCTTCTCCGCACGGAGGGGGCCCGCCTGCGGGTGAAGACTCTG
CTGCAGATGGTGGGGGATGCAGCTGCTGGCATGGAGTACCTGGAGAGCAAGTGTCTGAAGTCACT
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GACTTTGGGATGTCCCGAGAGGAAGCCGATGGGGTCTATGCAGCCTCAGGGGGCCTCAGA
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AGCGACGTGTGGAGCTTTGGCATCTTGCTCTGGGAGACCTTCAGCCTGGGGGCCTCCCC
TATCCCAACCTCAGCAATCAGCAGACACGGGAGTTTGTGGAGAAGGGGGCCGTCTGCC
TGCCAGAGCTGTGCTGATGCCGTGTTAGGCTCATGGAGCAGTGTGGGCTATGAG
CCTGGGACGCGCCAGCTTCAGCACCATCTACCAGGAGCTGCAGAGCATCCGAAAGCGG
CATCGGTGA
    
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Clone variation with respect to NM_002005.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002005 unedited
 TCATAATTTGTAATACACTACTATAGGCGGCCGCGAATTCGGCACCAGCCCAAGAGCAGC
 TGCCCGTGCGGGTACCTCTAGCCCCGGGGCCTGGAGGAGCGGTGGGAGCTGGGGGCGCG
 CAGGCAGGGGCAGAGCAGGCGTTCCGAGGGCCAGAGACCCACCCAGAACAGCACTATGGG
 CTTCTCTCCGAGCTGTGCAGCCCCAAGGCCACGGGGTCTGCAGCAAATGCAGGAGGC
 CGAGCTTCGTCTACTGGAGGGCATGAGAAAGTGGATGGCCAGCGGGTCAAGAGTGACAA
 GGGAGTATGCAGGACTGCTTACCACATGTCCCTGCAGGACAGTGGGGCCAGATCCGGG
 CCATCAGCCCTGACAGCCCATCAGTCAGTCTGGGCTGAGATCAACCAGCCAAACTGAG
 GGCTGAGCCGCTTGCTGCGGCAGCAGCAGAAGATCTGAACTCAGGGCCCTGAGCAAG
 CTGAGCCTGCTCATCCGGGAACGGCAGCAGCTTCGCAAGAACTACAGCGAGCAGTGGCAG
 CAGCTGCAGCAGGAGCTACCAAGACCCACAGCCAGGACATTGAGAAGCTGAAGAACCAG
 TACCGAGCTCTGGCACGGGACAGTGCCCAAGCCAAGCGCAAGTACCATGAGGCCAGCAAA
 ACAANGACCGTGACAAGGCTAAGACAAGTATGTGCGCAGCCTGTGAATCTCTTTGCTCA
 CCACAACCGCTATGTGCTTGGCGTGGGGCTGCGCATCTACACCACCATCAAACCACCA
 TCTCTGCTGCCGNCTGTGCGGTACTGCAAGACTGCAGAANGAGAATGTGATNCTGAA
 AGAAANCTGCAGAATACTGGAAATTACANCTGTGAGAATAAGGGGTGCCATTCACCGGA
 AAGGCTGAGCTGTGCCGCATCAACTGAGCTGATACAAGCTCTGGAAATATGGTCAAGT
 GACTCACTTGGTAGTTNA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002005 unedited
 GGACCCTAAGGGTGATGGCACCTNCCTGCNAGGTANATCACTGGCGNAGGGTCACAGGGC
 ATGCCACCGGGTCTGTTCAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGT
 TTTTTTTTTTTTTTTTTCAGTGGGCACAAGTGGTTTTATTGTTTCTGCCCGGAAGAGGA
 AGCCCTGGCAGCAGCAGGGACACAGAGAGGACACGGCTCTTTTTCTGCCGGCAGTGTGG
 ATGCTGGTGGCAGGAGTCCAGGACTGTGAAGAGCTGTCAGCATATGAGCTGGAGCCGCTG
 ATGAGCTGCACCTAGGCCTGCAGAGGCCACCAGCTTGAGAAGGGGGTCCCAGCCTCACCG
 ATGCCGCTTTCGGATGCTCTGCAGCTCCTGGTATATGGTGTGAAAGTGGGCCGCTGCC
 AGGCTCATAGGCCAGCTCTGCTCCATGAGCCTGAACACGGCATCAGGACACAGCTCTGG
 GCAGGGCAGACGGCCCCCTTCCACAACTCCCGTGTCTGCTGATTGCTGAGGTTGGG
 ATAGGGGAGGCCCCAGGCTGAAGGTCTCCCTTAGCAAGATGCCTAAGCTCCACATTTT
 GCTTTCGGAGGAGTAGCGGCGTAGTTAAGGGCCTCAAGTGCGGTCCACTTCACGGGGGA
 CTTGTCTGAGGCCCTGATGCTGCCTAGACCCTATGGGCTTCTCTCGGGACATCCCAT
 AGTCACTGATCTTCAGGACATTCTCTCTGTCCCCGGGCTTTTTCCGATCACCCAGGTCC
 CGGTGGGTGCAACTTTTGTCTTCCGGTTCCTTGCCGCGGTTTGTTCACCCCCCTC
 TGGTGGTATTCTCACCCGGTCCGGCCCCCTTCTCCGNGGAAGGTAAGGATTTCCC
 ACCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_002005

Insert Size:

3000 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_002005.2 , NP_001996.1
RefSeq Size:	2762 bp
RefSeq ORF:	2469 bp
Locus ID:	2242
UniProt ID:	P07332
Cytogenetics:	15q26.1
Domains:	pkinase, SH2, FCH, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Axon guidance
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>