

Product datasheet for **SC326219**

FES (NM_001143784) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FES (NM_001143784) Human Untagged Clone
Tag:	Tag Free
Symbol:	FES
Synonyms:	FPS
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001143784, the custom clone sequence may differ by one or more nucleotides

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ATGGGCTTCTCTCCGAGCTGTGCAGCCCCAGGGCCACGGGGTCTGCAGCAAATGCAG
GAGGCCGAGCTTCGTCTACTGGAGGGCATGAGAAAAGTGGATGGCCACGGGTCAAGAGT
GACAGGGAGTATGCAGGACTGCTTACCACATGTCCTGCAGGACAGTGGGGCCAGAGC
CGGGCCATCAGCCCTGACAGCCCCATCAGTCAGTCCTGGGCTGAGATACCAGCCAAACT
GAGGCCCTGAGCCGCTTGTGCGGCAGCACGCAGAGGATCTGAACTCAGGGCCCCTGAGC
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CAGTACCAGACTCTGGCACGGGACAGTGCCCAAGCCAAGCGCAAGTACCAGGAGGCCAGC
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GCTCACCAACAACCGCTATGTGCTGGGCGTGCAGGCTGCGCAGCTACACCACCAGCACCAC
CACCAGCTCCTGTGCCCGGCTGCTGCGGTACTGCAGGACCTGCACGAGGAGATGGCT
TGCATCCTGAAGGAGATCCTGCAGGAATACCTGGAGATTAGCAGCCTGGTGCAGGATGAG
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TACCAAGGCTTCCTGCGACAGTATGGGTCCGCACCTGACGTCCCACCCTGTGTACAGTTC
GATGAGTCACTGCTTGAAGAGGGTGAACCGCTGGAGCCTGGGGAGCTCCAGCTGAACGAG
CTGACTGTGGAGAGCGTGACACACGCTGACCTCAGTGACAGATGAGCTGGCTGTGGCC
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CAAGAAGCACTGCAGGGGCTGCAGGTAGCGCTGTGCAGCCAGGCCAAGCTGCAGGCCAG
CAGGAGTTGCTGCAGACCAAGCTGGAGCACCTGGGCCCCGGGAGCCCCCGCCTGTGCTG
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CTGAAGCAGTACAGCCACCCCAACATCGTGCCTCATTGGTGTCTGCACCCAGAAGCAG
CCCATCTACATCGTCATGGAGCTTGTGCAGGGGGCGACTTCTGACCTTCTCCGCACG
GAGGGGGCCCGCTGCGGGTGAAGACTCTGCTGCAGATGGTGGGGATGCAGCTGCTGGC
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GTGACAGAGAAGAATGTCTGAAGATCAGTGACTTTGGGATGTCCCGAGAGGAAGCCGAT
GGGGTCTATGCAGCCTCAGGGGGCTCAGACAAGTCCCCGTGAAGTGGACCGCACCTGAG
GCCCTTAACACGGCCGCTACTCTCCGAAAGCGACGTGTGGAGCTTTGGCATCTTGCTC
TGGGAGACCTTACGCTGGGGGCTCCCCCTATCCCAACCTCAGCAATCAGCAGACACGG
GAGTTTGTGGAGAAGGGGGCCGTCTGCCCTGCCAGAGCTGTGCTCCTGATGCCGTGTT
AGGCTCATGGAGCAGTGTGGGCTATGAGCCTGGGCAGCGGCCAGCTTACAGCACCATC
TACCAGGAGCTGCAGAGCATCCGAAAGCGGCATCGG

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Restriction Sites: Please inquire

ACCN: NM_001143784

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001143784.1 , NP_001137256.1
RefSeq Size:	2477 bp
RefSeq ORF:	2259 bp
Locus ID:	2242
UniProt ID:	P07332
Cytogenetics:	15q26.1
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 (3) lacks an in-frame exon in the 3' coding region, compared to variant 1, and encodes a protein (isoform 3) with a shorter C-terminus and an incomplete SH2 domain, compared to isoform 1.</p>