

## Product datasheet for **SC310093**

### FER (NM\_005246) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FER (NM_005246) Human Untagged Clone
Tag:	Tag Free
Symbol:	FER
Synonyms:	p94-Fer; PPP1R74; TYK3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_005246 edited  
 ATGGGGTTTGGGAGTGACCTGAAGAATTCACATGAAGCAGTGTTAAAATTGCAAGACTGG  
 GAATTACGGTTACTGGAAACAGTAAAGAAATTTATGGCCCTGAGAATAAAAAGTGATAAA  
 GAATATGCATCTACTTTACAGAACCTTTGTAATCAAGTTGATAAGGAAAGTACTGTCCAA  
 ATGAATTATGTCAGCAACGTATCCAAGTCTTGGCTACTTATGATTACAGCAGACAGAACAA  
 CTTAGTAGGATAATGAAGACACATGCAGAGGACTTGAACCTCTGGACCTTTACACAGGCTC  
 ACCATGATGATTAAGGACAAGCAGCAGGTGAAGAAAAGTTACATAGGTGTTTCATCAGCAG  
 ATAGAGGCAGAGATGATCAAGGTTACCAAAACAGAATTGGAGAAGTTAAAATGCAGCTAT  
 AGACAATTAATAAAAAGAAATGAATTCTGCCAAAGAGAAAATATAAAAGAAAGCTTTAGCTAAA  
 GGGAAAGGAAACTGAAAAGGCCAAGGAACGATACGACAAAGCCACAATGAAACTTCATATG  
 TTGCACAATCAGTATGTATTGGCGTTGAAAGGGGCACAGCTCCATCAGAATCAGTATTAT  
 GATATCACACTTCCCCTGCTTCTGGACTCCTTACAAAAGATGCAAGAAGAAATGATAAAA  
 GCACTCAAAGGTATTTTATGATGAATACAGCCAGATAACCAAGTCTTGTACAGAGGAAATA  
 GTGAATGCCATAAAGAGATTCAAATGTCGGTTGAACAGATAGATCCTAGTACAGAATAC  
 AATAATTTTCATAGATGTTACAGAACACGGCTGCTAAAGAACAAGAAATAGAGTTTGAT  
 ACTTCCTTACTGGAAGAAATGAAAATCTTCAGGCCAAATGAGATCATGTGGAATAACTTA  
 ACAGCAGAAAAGTTTGCAAGTAATGTTGAAAACGTTAGCGGAAGAAGTATGCAAAACACAG  
 CAGATGCTTTTAAACAAGGAGGAGGCTGTTTTGGAGTTAGAGAAGAGAATTGAAGAATCT  
 TCTGAACTTGTGAGAAGAAGTCTGATATTGTGCTTCTGCTAAGCCAAAAACAGGCACTT  
 GAAGAAGTGAACAGTCAAGTCCAGCAGCTGAGATGCACTGAAGCAAAGTTTTTCAGCACAG  
 AAGGAATTAAGAGCAAAAAGTGAAGAAAATGATGGGAAAGAGCCACCTCCAGTAGTA  
 AATTATGAAGAAGATGCACGATCAGTTACATCTATGGAAGAAAGGAGAGGCTATCCAAA  
 TTTGAATCTATTCTGATCAATTGCTGGAATAATTAGGTCTCCAAAATCTGCACTGGGC  
 TCTTCAGCACTTTCTGATATGATCTCCATCAGTGAGAAGCCTTTGGCAGAACAGGACTGG  
 TACCATGGTGCAATCCCAGAATAGAAGCTCAAGAAGTGTAAAAAAAACAGGAGACTTT  
 TTGGTGCGAGAGAGTCATGGGAAACCTGGTGAATATGTCCTTTCTGTATATTCTGATGGA  
 CAGAGGAGACATTTTATCATACAATATGTTGATAACATGTATCGATTGAGGGCACTGGG  
 TTTTCAAACATTCCTCAACTTATAGACCATCACTATAACAACAAAACAGGTCATCACTAAG  
 AAATCAGGTGTAGTTCTGCTGAATCCTATTCTAAGGACAAGAAATGGATTCTCAGTCAT  
 GAAGATGCATATTGGGAGAATTACTGGGCAAGGGAATTTTGGTGAAGTATATAAGGGC  
 ACATTAAGGATAAAAACCTCTGTTGCTGTAAAACATGTAAGAAGATCTTCCTCAGGAA  
 TTGAAAATAAAATTTTTACAAGAAGCCAAAATCTCAAGCAATATGATCATCCCAATATT  
 GTCAAAATATAGGAGTTTGACACAAAAGACAGCCTGTCTACATCATTATGGAAGTGGTT  
 TCAGGAGGTGATTTCTCACCTTTCTGAGAAGGAAGAAGGATGAACTAAAACCTCAAACAG  
 TTAGTGAAATTTTATTAGACGCTGCTGCTGGTATGTTGTATCTCGAGAGTAAAACCTGT  
 ATACACAGGGACCTTGTGCAAGAACTGCCTGGTAGGTGAAAATAATGTTCTGAAAATC  
 AGTGACTTTGGAATGTCTCGTCAAGAGGATGGTGGAGTGTATTCACTTCTGGCTTAAAG  
 CAGATTTCCATTAATGGACAGCACCGGAAGCTTTAATTATGGGAGATACAGTTACAGAG  
 AGTGACGTGTGGAGCTTTGGCATCCTTCTCTGGGAGACCTTCAGCTTAGGGGTTTTGTCCG  
 TACCCTGGAATGACAAAATCAGCAAGCAAGAGAGCAAGTAGAAAAGAGGATACCGGATGTCA  
 GCTCCCCAGCACTGTCCAGAGGATATTTCCAAAATCATGATGAAGTGTGGGATTATAAA  
 CCTGAAAATCGCCCTAAGTTCAGTGAACCTCAGAAAGAGCTCACTATCATCAAGAGAAAA  
 CTCACATAG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_005246  
**Insert Size:** 3500 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_005246.1</a> , <a href="#">NP_005237.1</a>
<b>RefSeq Size:</b>	2950 bp
<b>RefSeq ORF:</b>	2469 bp
<b>Locus ID:</b>	2241
<b>UniProt ID:</b>	<a href="#">P16591</a>
<b>Cytogenetics:</b>	5q21.3
<b>Domains:</b>	pkinase, SH2, FCH, TyrKc, S_TKc
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Adherens junction
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the FPS/FES family of non-transmembrane receptor tyrosine kinases. It regulates cell-cell adhesion and mediates signaling from the cell surface to the cytoskeleton via growth factor receptors. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome X. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a, also known as p94-Fer or FerS). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>