

## Product datasheet for **SC114685**

### **FOXJ3 (NM\_014947) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FOXJ3 (NM_014947) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXJ3
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 within SC114685 sequence for NM\_014947 edited (data generated by NextGen Sequencing)

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ATGGGTTTGTATGGACAGGCTTGTCCATCTGTAACCTCATTAAAGGATGACATCTGAACTG
GAGAGCAGCCTAACGTCTATGGACTGGTTACCACAGCTCACCATGAGAGCAGCCATCCAA
AAATCTGATGCTACACAAAATGCACATGGAACAGGAATTTCTAAGAAGAATGCACTCCTT
GACCCAAATACAACCTCTGGACCAGGAAGAAGTCCAACAGCACAAAAGATGGGAAACCTCCA
TACAGTTATGCCAGCCTCATTACATTTGCAATTAATAGCTCACCCAAAAAGAAAATGACT
TTAAGTGAAATTTATCAGTGGATTTGTGATAACTTCCCATATTATAGAGAGGCTGGCAGT
GGTTGGAAGAATTCCATACGACATAATCTGTCATTGAACAAATGTTTCCTTAAAGTGCTT
CGATCTAAGGATGACCCTGGAAAGGGTCTACTGGGCAATAGACACCAATCCGAAGGAA
GATGCGCTGCCTACTCGGCCAAAGAAGAGGGCAGCATCTGTAAGACGGGCCTCAACTCCA
TATAGCATAGATTGAGTTCTTTGGGAATGGAGTGTATTATTTCCGGGAAGTGCCTCTCCA
ACTCTGGCAATCAACACTGTGACTAACAAAGTAACATTGTATAACTGATCAGGATGGT
AGTGATAGCCACGCAGTAGCCTTAACAACAGTCTCTCAGACCAGAGTTTGGCATCTGTT
AATTTGAACAGTGTGGAAAGTGCATAGTTATACACCGGTGACAAGCCATCCAGAAATCA
GTCTCTCAATCATTAACTCCTCAGCAGCAACCACAGTACAACCTTCCAGAAAGAGACAAG
CAACTACTTTTCTCAGAATATAATTTTGAAGATCTTAGTGCCTCATTTCGGAGCCTTTAT
AAGTCAGTTTTTGTAGCAGTCACTTAGTCAACAAGGTTTGTGTAACATCCCTTCTGAATCT
TCCCAGCAGTCCCACACTTCATGTACCTATCAGCACTCTCCCAGCAGTACAGTGAGCACT
CACCCACACAGCAACCAAGCAGCCTGTCCAACAGTATGGCAGTGGCCTCAACACCACA
GGCAGTAATTCGGTTGCACAGGTCTCACTGTCTCACCCCCAGATGCACACACAGCCATCT
CCACATCTCCCATCGACCGCATGGTTTACCAGCAGTCCGACAGCCTTCCCACACCCA
GCACCACACCCACAGCAACACAGCCAGTCCAGTCCCCTCACCCCCAGCATCCCCTCCA
CATCAACACATACAGCACCATCCGAACCATCAGCATCAGACGTTAACACATCAGGCACCC
CCACCCCCACAACAGGTATCCTGTAATTCTGGTGTTCAAATGATTGGTATGCGACACTT
GATATGCTAAAAGAAAGCTGTGCAATTGCCAGCAGTGTAAATGGTCAGATGTAGACCTT
TCACAGTTTCAAGGTCTGATGGAGAGTATGAGACAGGCAGATCTCAAGAACTGGTCTTTA
GACCAGGTTGAGTTTGGCGATCTTTGTTCTTCTTAATCAGTCTTTACACAAACTGGC
CTTATACATTCACAGAGTAATGTTCAACAAAATGTTTGCATGGTGCCATGCATCCAACA
AAACCTTCCCAACACATTGGAACAGGAAATTTGTACATAGATTCTAGGCAAAATCTCCCT
CCTTCAGTGATGCCACCCCTGGTTATCCTCATATCCCACAGGCACTCAGCACTCCAGGA
ACAACGATGGCAGGCCATCACAGAGCCATGAACAGCAGCACATGATGCCTTCCCAGGCC
TTCCAGATGCGGGCTTCCCTGCCTCCAGATGACATCCAGGATGACTTTGATTGGGATTCA
ATTGTGTAG

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Clone variation with respect to NM\_014947.4  
485 t=>c

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_014947 unedited

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CACGAGGGCGGAGACGCACGGAGCGGCCGGGGCTCGGCCGGGCCGTCCCGGCCTGCGCA
GCCTGAGATTCTCTTTGTGGCCAGATGGGTTTGTATGGACAGGCTTGTCCATCTGTAAC
TCATTAAGGATGACATCTGAACTGGAGAGCAGCCTAACGTCTATGGACTGGTTACCACAG
CTCACCATGAGAGCAGCCATCCAAAAATCTGATGCTACACAAAATGCACATGGAACAGGA
ATTTCTAAGAAGAATGCACTCCTTGACCCAAATACAACCTCTGGACCAGGAAGAAGTCCAA
CAGCACAAAAGATGGGAAACCTCCATACAGTTATGCCAGCCTCATTACATTTGCAATTAAT
AGCTCACCCAAAAAGAAAATGACTTTAAGTGAAATTTATCAGTGGATTTGTGATAACTTC
CCATATTTATAGAGAGGCTGGCAGTGGTTGGAAGAATTCATACGACATAATCTGTCTATTG
AACAAATGTTTCCCTTAAAGTGCCTCGATCTAAGGATGACCTGGAAAGGGTCTCTACTGG
GCAATAGACACCAATCCGAAGGAAGATGCGCTGCCTACTCGGCCAAAGAAGAGGGCACGA
TCTGTAGAACGGGCCTCAACTCCATATAGCA

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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_014947 unedited TAGCTTTGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTAGAGTTA ACATAATATATTTATTTAAGTGCCATTCATGCATATCAGTTCTGGCAGCAACAATCCTA ATGACACTTGAATATTTCTTTACAGCACTAACAGTTACAAATAATGGTTGCCGTTTCAT CATAGAGGCAAAATATGAAATCGTGCAATAGCAAACTGTAGAAACATTAACAACTGAC TGTC AACAGCAGTACAGAGAGCAGGTTGTATCTGCACAAAAAGCCAATGCATTTTCATC ACATATATACAATATAGATATGTACACATCACCCCTGAATGAACAATATCAAAATCTC TATTCCATTTGAAATTATCCCCGATTGATTCCCTCCCACTTCAAAGGACATCTGAGCGA CACGTATTTACAAGAACACATGAATACATTTACATTTCAAAAAGTCCACAAATGCCA GTCGGATTATTCTCCTGAACAGAGTGTCCCATTTGTTTACATGCATTTACTATTCTTTT CCCCTAAAGTCTTCAGTCAATTTAAGCCCAAGACAGAAGTGTCTGCATTAGCAACTAC CATACAAATGGCCACTAGAGGGACTCTCTGCACCTCACCAGGTAACCCGTCTGGCCAG GGCCACAGAAAAGCCCTGTCTGGGCTCCTGGACCCCTGGACACGGAAGTGGGATGGGC CTGGGNAAAGGCTTTGCCTCATGCCATTTTGCTAAGTTAATCTCTAAAAATTCTACTGC AACAGTAAAGATGCCAATGGGAATTCGTCCACAATTATAAATATCTCAGTGTCTACTAAA CACTAGATGAGACGGATCCATATCAAATGTTAAGTGCCATGTACCAGCATTAAACAGTTAA AAGCTTTTTGGGTGAAACCGACTTACCAACT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014947
<b>Insert Size:</b>	6250 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>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_014947.3</a> , <a href="#">NP_055762.3</a>
<b>RefSeq Size:</b>	5246 bp
<b>RefSeq ORF:</b>	1869 bp
<b>Locus ID:</b>	22887
<b>UniProt ID:</b>	<a href="#">Q9UPW0</a>
<b>Cytogenetics:</b>	1p34.2
<b>Domains:</b>	FH

**Gene Summary:**

Transcriptional activator of MEF2C involved in the regulation of adult muscle fiber type identity and skeletal muscle regeneration.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) and variants 2 and 3 encode the same isoform (1).