

Product datasheet for **SC113501**

FOXJ2 (NM_018416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXJ2 (NM_018416) Human Untagged Clone
Tag:	Tag Free
Symbol:	FOXJ2
Synonyms:	FHX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113501 sequence for NM_018416 edited (data generated by NextGen Sequencing)

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ATGGCTTCTGACCTAGAGAGTAGCCTCACCTCCATAGACTGGCTCCCCAGCTGACCCCTC
CGAGCTACCATTTGAGAAGCTTGAAGTGCCTCCAGGCTGGGCTCCCGGAGCAGCCGC
AAGTGTTACACAGGTCACCCACAGATCCTAATGCCACCTGAGCAAAGACGAGGCAGCA
GTGCACCAAGGACGGAAGCCACGATACAGCTATGCCACTCTCATCACCTATGCCATCAAC
TCCTCTCCAGCCAAGAAGATGACCTCAGCGAGATTTACCGCTGGATCTGTGATAACTTC
CCCTATTACAAGAATGCTGGCATTGGTTGGAAGAATTCAATACGGCACAACCTTTCTCTC
AACCAAGTGTTCGGAAGGTGCCAGACCTCGGGATGACCTGGGAAGGGTTCCTATTGG
ACAATTGACACCTGCCCTGACATTTCCGAAAGAGAAGACACCTCCAGATGATGATCTG
TCCCAAGACTCACCAGAACAGGAGGCAAGCAAGAGCCCACGGGAGGCGTTGCAGGGAGT
GGAGAAGCCTCACTGCCTCCTGAGGGGAATCCGCAGATGTCACTTCAGAGCCCCACATCT
ATAGCCAGCTACAGCCAGGACAGGATCTGTGGATGGTGGAGCAGTGGCAGCAGGGGCT
TCAGGCCGAGAAAGTGTGAGGGTCCCCCTCCCCTCTATAACCAACCATGACTTTAAA
TTCTCCTACTCAGAGATCACTTTCAAGATCTAAGCTGGTCTTCCGCAACCTCTATAAG
TCCATGCTGGAGAAGTCTCTTCTCTCTCAGCACGGCTTTTCTCTCTCTGGGGGAC
ATCCCACCTCGAACAATACTACATGTATCAGCAGCAGCAGCCACCGCCACCTCAACAG
CAGCAGCAGCAGCAGCAGCCGCCACAGCCACCTCCCAGCAGTCCCAGCCACAGCAGCAG
CAGGCACCTGCCAGGGCCCCCTCAGCTGTAGGGGGTGTCTCTCCACTGCACACCCCAAGC
ACAGATGGTTGTACCCACACAGGGGGAAGCAAGCTGGGGCGGAAGGCTATGGGCTCCC
CCTGTAATGGCCATGCATCCACCCCGCTGCAGCATGGAGGCTACCACCTCATCAGCAC
CATCCCCACTCCACCTGCCAGCAGCCACCACTCCACAGCCACAGGCACAAGGCCAG
GCTCCCATCAACAACACTGGCTTTGCCTTCTCTGACTGGTGTCTAATATTGACTCT
TTAAAGGAAAGCTTCAAGATGGTGAATCGGCTCAATTGGTCCAGCATTGAGCAGTCACAA
TTCTCAGAACTGATGGAGAGTCTACGACAGGCAGAGCAGAAGAACTGGACCTCGACCAG
CATCACATTGCCAATCTGTGACTCCCTCAACCACTTCTTACTCAGACTGGTCACGTG
CCCCCTCAAGGGGTACCCACGCCCCACCAGCCCTGCCCGTATTGCTGACTCCTGTGCC
CTCACCAGTGGCAACAGGAGTCAGCCATGAGCCAAGTGAATCTTATGGGCACCCACAA
GCTCCCCACCTCTACCCTGGCCCATACCAATGTACCAATCCCCACCCAGGACTCAGCA
GGATACAATCGCCAGCACACCATATGGTCCCTCGGCCATCAGTGCCACCTCCTGGTGCC
AATGAGGAGATCCCTGATGACTTCGACTGGGACTTGATCACTTAG
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Clone variation with respect to NM_018416.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018416 unedited

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TTTTGTAATACGACTCACTATAGGGCGCCGCGAATTCGGCAGCAGAGGCCCTCCTCAACC
TTGACTCCTCATCCTCAGGGGACCCAGTTCCCCTCACCAACTTGGGAGGCTCAGCCTCGT
CCAGGAAGAGCCACTGAGGATGAGAGCCGTCACCTGCCTCTGAAGAGGGGAATCCCTCCA
ACCCCAAACCTCCAGTACCAGGTGGTTCCCTCCCTTTGCCGGAGGAACCTTGGAGACAGAA
CCCAGAAGTACCATGGCTTCTGACCTAGAGAGTAGCCTCACCTCCATAGACTGGTCCCC
CAGCTGACCTCCGAGCTACCATTTGAGAAGCTTGAAGTGCCTCCAGGCTGGGCTCCC
GGGAGCAGCCGCAAGTGTTACCAAGGTCACCCACAGATCCTAATGCCACCTGAGCAAA
GACGAGGCAGCAGTGCACCAGGACGGCAAGCCACGATACAGCTATGCCACTCTCATCACC
TATGCCATCAACTCCTCTCCAGCCAAGAAGATGACCTCAGCGAGATTTACCGCTGGATC
TGTGATAACTTCCCTATTACAAGAATGCTGGCATTGGTTGGAAGAATTCAATACGGCAC
AACCTTTCTCTCAACAAGTGTTCGGAAGGTGCCAGACCTCGGGATGACCTGGGAAG
GGTTCCTATTGGACAATTGACACCTGCCCTGACATTTCCGAAAGAGAGACACCTCCAG
ATGATGATCTGTCCCAAGACTCACCAGAACAGGGAGGCAGCAAGAGCCCCACGGGAGGGC
GTGCAGGNAGTGGAGAGCCTCACTGCCTNCTGAGGGGAATCGCAGATGTCACTTCAGAGC
CCACATCTATAGCCAGCTACAGCCAGGCACAGGATCTGTGGATGGTGAAGCANTGCANCA
GGGGCTTCAGCCCAGAAGGGCTCGAGG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018416 unedited <pre> NCCTACTTGNCCGCGCCGCTTTCTANGATCGAGTTTTTTTTTTTTTTTTTTGGTCTCCA ATTTCCTAGGATTTTATTGTACCCCTCCTGCACCACCATCATCACTTTCACCCTTGATA GGAAATACAGACTGGCAGAAGTAAGGATTGAAGGTATAAAGGGACAAGGAAGACCTCAGA GGACAGAAATTAGCACCATTTTAAACCTCCAAATTCCTGGCTGCCAAGTAATGTTTCAGA CCCTTTCTACTTGGTAATGTGGCCTCTCCAGTCCTGGCCTGAACTGATGGGAACAAAAA ACAATTTAGGGCCAAAAGGTGGGATTAGCATTGAGTTTCTCCAAGAGAAAGGTAACTGG AGTCTAAAACCTTTCTCTGTAGCTATCATGGCTTCATCTCCAGCCTGATGATTTTAAAT TAGCAAAAGGTGGACATGATCCATGATGTAGGGACAGGAGACTATGGACAGTATATAACC AATAATAATAATAATAATAAGAATAATAATAAAAGAACTAGGAAAAACAGGAAGGAA GAGAGAAGAATGAGGCAGGAAAGAGAGGGTTATCTTCGGCAGCATCTTGCACTGGCTTCT CTGACAGAGAAAGAACAAAAAGAGGATATATGTCTATATACAGACGGGGGAANGGACGG GCTGGGGTTGCTTTTCCCACTGCCAGATTTACACACGCGGCCCTGGGCTGATGTCCAC ACTCTGTGATGCACTAAGTGATCAAGTCCAGTCGAAGTTCTCAGGGATCTCCTCATTGG CCCCACGAGGTGGCACCTGAGGCCGAGGACCATATGGTGTCTGGGCGAATGTTCTCTGG TGAGTCTGGGTGGGATTGGGTACCTTTGGGATGGGCCCGGGTAAAGGTGGGGAATCTGG GGGGGCCCTAAGATTCACTTGGTCATGGCTGGAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018416
Insert Size:	2720 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:	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:	<u>NM_018416.2, NP_060886.1</u>
RefSeq Size:	5499 bp
RefSeq ORF:	1725 bp
Locus ID:	55810
UniProt ID:	<u>Q9P0K8</u>
Cytogenetics:	12p13.31
Domains:	FH
Protein Families:	Transcription Factors

Gene Summary:

Transcriptional activator. Able to bind to two different type of DNA binding sites. Isoform FOXJ2.L behaves as a more potent transactivator than FOXJ2.S.[UniProtKB/Swiss-Prot Function]