

Product datasheet for **SC101645**

SS18 (AK092611) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SS18 (AK092611) Human Untagged Clone
Tag:	Tag Free
Symbol:	SS18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK092611, the custom clone sequence may differ by one or more nucleotides

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TTAGTAGAGACAGGGTTTCACCATGTTGGTTGCTTTTTCTTTGGGGTTTGAAAACTCCCTGTGTTAGC
AACTTGACCACCATGTTGGTCAGGCTGGTCTCGATCTCCTGACCTTGATCCACCTGCCTCGGCCCTCC
AAAGTGTGGGATTACAGGTGTGAAACACCGTGCCTGGCCTTCTGCTAAATTTTTAATAAAAAATGTTTA
ATTGTGGTAAAATATACTGCTTCAGCGTCTGAGTGGCTGGGATACAGGGCCCGCCACACCCAGCT
AATTTCTGTATTTTTAGTAGAGACAGGGTTTCACCATGTTGCCAGGCTGGTCTCAGACTCCTGACCTTA
AGTGATCCACTACCTCGGCTTCCACAGTGCTAGGATTACAGTCATGAGCCACTGTACCAGGCTATAGT
TTCCTTTTTTGTGTGCTGGGTAATACTGGCCTCAAGGAATGAGTTTGGAAAGTATCCCTCCTCTTCT
TTGTTTGTGTGTGTGTATGCATTTGAGTATGATTCATATAGAATTCAGTAGTAAAGTCATTAGAT
CCTGGACTTTTCTTTGAAAAGAAATGGGAAAAGATGCAAGGTTTTTGTCTTTTTTTTTTTTTTTTTT
TTTGGCTCTGTCACCCAGGCTGGTGTGCGGTGGCTCAGTCTTGGCTCACTGCAGTCTTCGCCTCTGGC
CCAAGCAATTCTCCTGCCTCAACCTCCAAGTAGCTGGGACTACAGGCATGCACAACCATACATTTTGAT
GTTTTGTAGAGGACAGGGTTTCACCATGTTGCCAGGCTGGTCTTGAACCTCTGGGCTCAAGTGATCCACC
TTCTTTGTCTTTCAAAGTGTGGGATTACAGGTTTGAGCCACCATGCCTGGCTGGGAGATTTTTAATTA
AGGCTTTGATTCCATTATTTGTTACTGGTTTGTGAGGTTTTCTTTCTTTCTGGTTCAATTTGGTAG
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TTCATTTTTTAAAAATTTCTTCTGTTTTTGTTTTTTGTTTTTTGTTTTTTTTTTTTTTGTCTCAGTTTA
TTCCGTTCTCACTTTTATTATGCTCCCTTACTACTAATTTTGGATTTAGTTTGTCTTTGTGATTTT
TTGGAGTGCATTGTTGCGTTGTATATTTGAAGTCTACTTTTTAAATATAGATGTTTATTGCTGTAACCTT
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AAAAAATTAATTAAGTTTCTTTATTGACCTATTCGTTGTTCCAGGAGCATGTTGTTAATTTCCATGAT
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TTGCCGATGATTTTTCGCTTTTTGAATTTGTTGAGGCTGTTTCGTTGGCATTGTATTGTCTGTGATTT
GATTTTACCAGTAGCTTTTATATTTTTAAATATTTTCTTTTTGTACATTATTTGTTTTTCTTTCTGATT
GAAGAATTATATCTTACATTCCTGTAAGATGAGTCTGGTGGTGATAAATCTCTCAGGTTTTGTTTCTT
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GTTTTTTGTGTGTGTGTGTATTTTTATTTTTATTTTTCATCACTTTGAAAATGTTGTGCGCCCTCCCTCTT
ACCTGTATGATTTCCATTGAGAAGTCTGTTGGGAGCCAAATTGAATCTCTATGTTTTTACTTTTCTCATG
CTTCTTTTAGGATCCTCTCTTCTGTTTTTACCTTTTGGAGTCTGATTATTATATATGCCTTGGGGTAGT
CTTATTTGGGTCACATCTGTTTGGTATGCTGACCTTCTTTACCTGGATTTTATCTCCTTCTCAAGTTT
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TCTTAGATTTGGTCTTTTAGGTAATTTGTATATGCTTTTAGGTTATCTTCATTTCTTTTCTTTTATTGTTG
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ATAGTGAATAAGTCTCACGAGATCTGATGGCTTTAAAGAGAGGAGTTCCCGGCCGGGCTGGTGGCTCACG
CCTGTAATCCCAGCACTTTGGGAGGCCAAGGCAGGAGGATCACCTGAGGTCAAGAGTTCGAGACCAGCCT
GGCCAACATGGTGAACCTCCTCTCTACTAAAAATACAAAAATAGCCAGGCATGGTGGCAGGTGCCTGT
AATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATTGCTTGAACCTGGGAGGCAGAGATTGCAGTGAAGT
GAGATCCCGCCACTGCAGTCCAGCCTGGGGACAAGAGCAAGACTTCATCTC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK092611 unedited</p> <pre>GTCAGCATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCCACGCCAG CTAATTTTTGTATTTTTAGTAGAGACAGGGTTTACCATGTTGGTTGCTTTTTCTTTGGG GTTTGAAAAAATCCCTGTGTTAGCAACTTGACCACCATGTTGGTCAGGCTGGTCTCGAT CTCCTGACCTTGATCCACCTCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAA ACACCGTGCCTGGCCTTCTGCTAAATTTTTTAATAAAAAATGTTAATTGTGGTAAATAT ACTGCTTCAGCGTCTGAGTGGCTGGGATACAGGCGCCGCCACACCCAGCTAATTT CTGTATTTTTAGTAGAGACAGGGTTTACCATGTTGGCCAGGCTGGTCTCAGACTCCTGA CCTTAAGTGATCCACTACCTCGGCTTCCACAGTGCTAGGATTACAGTCATGAGCCACTG TACCAGGCCTATAGTTTCTTTTTTTTGTGTGTCTGGTAATACTGGCCTCAAGGAATGA GTTTGGAAGTATCCCTCCTCTTTGTTTGTGTTTTGTTTTGTTTTATGCATTTGAGTAT GATTCATATAGAATTCAGTAGTAAAGTCATTAGATCCTGGACTTTTCTTTGAAAAGAAA TGGGAAAAGATGCAAGGTTTTTGTCTTTTTTTTTTTTTTTTTTTTTTTGGCTCTGCACCC AGGCTGGTGTGCGGTGGCTCAGTCTGGCTCACTGCAGTCTTCGCCTCTCTGGCCAAGCA ATTCTCCTGCCTAACCTNCAAGTAGCTGGGACTACAGGCATGCACAACCATACATTTTGT ATGTTTTGTAGAGGCAGGGTTTACCATGTTGGGCCAGCTGGTCTTTGACTNCTGGGNCT CAGTGATCAACTCTTTGTCTTTNCAAGGTTNGGNATACAGGGTTGAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK092611 unedited</p> <pre>GTCCATCCAGTACCGCGCCGCAATCTATGATCGAGTTTTTTTTTTTTTTTTTTTTTTTGA GATGAAGTCTTGCTCTTGTCCTCCAGCTGGGCTGCAGTGGCGGGATCTCAGCTCACTGCA ATCTCTGCCTCCAGGTTCAAGCAATTCCTGCCTCAACCTCCAAGTAGCTGGGATTA CAGGCACCTGCCACCACGCTGGCTAATTTTTGTATTTTAGTAGAGAGGAGGGTTCACC ATGGGGGGGGGGTGGTCTCGAACTCTTGACCTCAGGTGATCCTCCTGCCTTGGCCTCCC AAAGTGTCTGGGATTACAGGCGTGAGCCACCAGCCCGCCGGGAACCTCCGCTCTTAAAGC CATCATATCTCGTGAGACGTATTCGCTATCACAGAACAGACACACTCCATTGATTCAAT CACGCGCCCACTGGGACCTCCCAGGACATGTGGGAACGTGGGAGTGACAATTCAGAT GAGATTTGGGTGGGACACATGCCAACCTATCAGAGACTTTCAACCACAGAATGAAGAGA GGAAAGAATCAGTGAGCTCAAAGATAGGCTATTTAATAATCCTGTCCGAAAAGAAAAAC CACCATGAAAAGAATGAAGACCCTGATAGACATATACAAAATTACCTAAAAAGACCA AATCTAAAAAATTTGGCCTTTAACAGGAGCGGAGAACAAAGCACAAGGGGATAAGCAT ATGTACAGAAAATTTTCAAACCTCGGGAAGGAGATTAATCCCGTAAGGGAAGGCAGC CTGCCACCCTATTGGGCCCAATAAGATTCCCCCAGGCGTGTATTATCGGAACC CCCAACGGGCAAAACCACTAGGGGGTCCCCAAAAAACCTCGGAAAGGGAAAAACTTAGG GTTCCATTTGGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	AK092611
Insert Size:	2900 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: [AK092611.1](#)

RefSeq Size: 2852 bp

RefSeq ORF: 2852 bp

Locus ID: 6760

Cytogenetics: 18q11.2

Protein Families: Druggable Genome

Gene Summary: Appears to function synergistically with RBM14 as a transcriptional coactivator. Isoform 1 and isoform 2 function in nuclear receptor coactivation. Isoform 1 and isoform 2 function in general transcriptional coactivation. Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner (PubMed:29374058).[UniProtKB/Swiss-Prot Function]