

Product datasheet for **SC127009**

SS18 (NM_005637) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SS18 (NM_005637) Human Untagged Clone
Tag:	Tag Free
Symbol:	SS18
Synonyms:	SSXT; SYT
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127009 sequence for NM_005637 edited (data generated by NextGen Sequencing)

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ATGTCTGTGGCTTTCGCGCCCCGAGGCAGCGAGGCAAGGGGAGATCACTCCCCGTGCG
ATTCAGAAGATGTTGGATGACAATAACCATCTTATTCAGTGTATAATGGACTCTCAGAAT
AAAGGAAAGACCTCAGAGTGTCTCAGTATCAGCAGATGTTGCACACAACTTGGTATAC
CTTGCTACAATAGCAGATTCTAATCAAAATATGCAGTCTCTTTTACCAGCACCACCACA
CAGAATATGCCTATGGGTCCTGGAGGGATGAATCAGAGCGGCCCTCCCCACCTCCACGC
TCTCACAACATGCCTTCAGATGGAATGGTAGGTGGGGTCTCTGCACCCGCACATGCAG
AACCAGATGAACGGCCAGATGCCTGGGCCTAACCATATGCCTATGCAGGGACCTGGACCC
AATCAACTCAATATGACAAACAGTTCATGAATATGCCTTCAAGTAGCCATGGATCCATG
GGAGGTTACAACCATTCTGTGCCATCATCACAGAGCATGCCAGTACAGAATCAGATGACA
ATGAGTCAGGGACAACCAATGGGAACTATGGTCCCAGACCAAATATGAGTATGCAGCCA
AACCAAGGTCCAATGATGCATCAGCAGCCTCCTTCTCAGCAATACAATATGCCACAGGGA
GGCGGACAGCATTACCAAGGACAGCAGCCACCTATGGGAATGATGGGTCAAGTTAACCA
GGCAATCATATGATGGGTGAGAGACAGATTCCTCCCTATAGACCTCCTCAACAGGGCCCA
CCACAGCAGTACTCAGGCCAGGAAGACTATTACGGGGACCAATACAGTCAATGGTGACAA
GGTCTCCAGAAGGCATGAACCAGCAATATTACCCTGATGGAAATTCACAGTATGGCCAA
CAGCAAGATGCATACCAGGGACCACCTCCACAACAGGGATATCCACCCAGCAGCAGCAG
TACCCAGGGCAGCAAGGTTACCCAGGACAGCAGCAGGGCTACGGTCTTTCACAGGGTGGT
CCAGGTCCTCAGTATCCTAACTACCCACAGGGACAAGGTGAGCAGTATGGAGGATATAGA
CCAACACAGCCTGGACCACCACGCCACCCAGCAGAGGCCTTATGGATATGACCAGGGA
CAGTATGGAAATTACCAGCAGTGA

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Clone variation with respect to NM_005637.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005637 unedited</p> <pre>CGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGGACGGCGGCAACATGTCTGTGGC TTTCGCGGCCCGAGGCAGCGAGGCAAGGGGAGATCACTCCCGCTGCGATTGAGAAAGAT GTTGGATGACAATAACCATCTTATTTCAGTGTATAATGGACTCTCAGAATAAAGGAAAGAC CTCAGAGTGTTCAGTATCAGCAGATGTTGCACACAACTTGGTATACCTTGCTACAAT AGCAGATTCTAATCAAAATATGCAGTCTCTTTTACCAGCACCCACACAGAATATGCC TATGGTCTCTGGAGGGATGAATCAGAGCGGCCCTCCCCACCTCCACGCTCTCACAAACAT GCCTTCAGATGGAATGGTAGGTGGGGTCTCCTGCACCCACATGCAGAACCAGATGAA CGGCCAGATGCCTGGGCCTAACCATATGCCTATGCAGGGACCTGGACCCAATCAACTCAA TATGACAAACAGTTCCATGAATATGCCTTCAAGTAGCCATGGATCCCATGGGAGGTTACA ACCATTCTGTGCCATCATCACAGAGCATGCCAGTACAGAATCAGATGACAATGAGTCAGG GACAACCAATGGGAACTATGGTCCCAGACCAAAATAGAGTATGCAGCCAAACCAAGGTC CAATGATGCATCAGCAGCCTCTTCTCAGCATAACAATATGCCACAGNAGGGCGGACAGC ATTACCAAGGACAGCAGCCCTTGGGGAATGGATGGGGTCAAGTTAACCAAGGCATCATA TGATGGGGTCCAGAGACAGATTCTCCTATAGACCTNCTCAGGGCCACCACAGCAGTAC TCAGCCCAGAGAATATTTACGGGACCATCATNCATGGGGGACAGGTCTTCAGAAGCAT GACCACATATACCCTGATGGCTAAGAGAATACGGTATAAACAACGGCGTATCTGACAAG CTCCAAGGCCTTTAGAAGA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005637 unedited</p> <pre>GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAA AAACACAAATAATTTATCTTCCGTTAAAGTTGATACAGTTTTAAATAGCAACAAAGTAC ACAGGGGGGGAAAATTGGCACAAAACCTACAAGCATTTCATCACAATAAGGCTGTCCAT GATTTATCTGTCAAACCTTGATGTCCATTTTCTACTGATCAAGTTGAAAAAAAAAACCTA TTCTGGCCAGGCACGGGGCTCACGCCTGTAATCCCAACACTTTGGAAGGCCGAGGCGGG TGGATCACCTGAGGTGAGGATTCAAAACCAGCCTGGCCAACATGGCGAAACCTCGTTTT TACTAAAAGTACAAAAATTACCTGGGTGTGGGGGCGGGTGCCTGTCCACCTACTCA GGAGGCTGAGGCAGGAAAACCTGTTGAACCCTGGGAGGCGGAGGTTGCACTGACCTGAAA TTGCCCACTGCACTCCAACCTGGGCGACAAGAGCAAGACTCCTTTTCAAAAAAAAAACC CGGACCAAAAACCAACCCCAAAACCTGTTTTGACCTTAAAAACACAAACACACTTT TTTTTTATACACACACAGAAAACCCCTGAAATTCCTTTTTCCTGATTCCAGAAATGGTGAAA ACAATATGTCCTGTTTTATCAAATTTATGACCCCTTCTGTTTTTGTTCCTTAGAC CGGGGAAAACCAATTCCTTATAAAAAATCCTTTTTTTCCTGGCTTGCCACCGGGAGA AAAAACCAACTACCTTTGGCCTAAAGTTTTAAATTTGCTTAAACCCGGGTAAAAATTTA AAGGATGCTTCCGGCCCCCAATTCCTTGATTTCTAAACACCGGCACGGAATTTAAAA ATGGATAACAATCCCTGCCAAAAAAGGTTCTAAAAGCCCTCCGTCTTAAACAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005637
Insert Size:	3670 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:	<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:	<u>NM_005637.2, NP_005628.2</u>
RefSeq Size:	3347 bp
RefSeq ORF:	1164 bp
Locus ID:	6760
UniProt ID:	<u>Q15532</u>
Cytogenetics:	18q11.2
Domains:	SSXT
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>