

## Product datasheet for **SC126384**

### SSX4 (NM\_005636) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SSX4 (NM\_005636) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SSX4  
**Synonyms:** CT5.4  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_005636 edited  
ACACGCCGATTTGCCCTTTTATTCTTCCACAATCAGGGTGAGACTGCTCCCAGTGCCAT  
GAACGGAGACGACGCCTTTGCAAGGAGACCCAGGGATGATGCTCAAATATCAGAGAAGTT  
ACGAAAGGCCTTCGATGATATTGCCAAATACTTCTCTAAGAAAGAGTGGGAAAAGATGAA  
ATCCTCGAGAAAATCGTCTATGTGTATATGAAGCTAAACTATGAGGTCATGACTAAACT  
AGGTTTCAAGGTCACCCTCCACCTTTCATGCGTAGTAAACGGGCTGCAGACTTCCACGG  
GAATGATTTTGGTAACGATCGAAACCACAGGAATCAGGTTGAACGTCCTCAGATGACTTT  
CGGCAGCCTCCAGAGAATCTTCCCGAAGATCATGCCAAGAAGCCAGCAGAGGAAGAAAA  
TGGTTTGAAGGAAGTGCCAGAGGCATCTGGCCACAAAATGATGGGAAACAGCTGTGCC  
CCCGGAAATCCAAGTACCTTGGAGAAGATCAACAAGACATCTGGACCCAAAAGGGGAA  
ACATGCCTGGACCCACAGACTGCGTGAGAGAAAGCAGCTGGTGGTTTATGAAGAGATCAG  
CGACCCTGAGGAAGATGACGAGTAACTCCCTCGGGGATATGACACATGCCCATGATGAG  
AAGCAGAACGTGGTGACCTTTCACGAACATGGGCATGGCTGCGGACCCCTCGTCATCAGG  
TGCATAGCAAGTAAAAGCAAGTGTTCACAACAGTAAAAGTTGAGCGTCATTTTTCTTAG  
TGTGCCAAGAGTTCGATGTTGGCGTTTCCGCTGTATTTTCTTGACAGTGTGCCATTCTGTT  
AGACATTAGCGTTTTTCGCTGATGAGCAAGACATGCTTAATGCATATTTCCGCTTGTGTAT  
CCATGCACCTACCTCAGAAAACAAGTATTGTCAGGTATTCTCTCCATAGAACAGCACTAC  
CCTCCTCTCTCCCAGATGTGACTACTGAGGGGAGGTCTGAGTGTTAATTTCCGATTTT  
TTCCTTGCAATTTACACACACACCACACACGCACACACACACACACCAAGTACCAGTATAAG  
CATCTCCATCTGCTTTTCTCCATTGCCATGCGTCTGGTCAAGCCCCCTCACTCTGTT  
TCTGTTCAGCATGTACTCCCTCATCCGATTCCGTTGTATCAGTCACTGACAGTTAATA  
AACCTTTGCCAACGTTCAACAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_005636 unedited GGGTTTCAGATTTGTATACGACTCACTATAGGCGGCGCGGAATCCGCCATTACGGCCGGG GACACGCCGATTTGCCCTTTTGGTTCTTCCACAATGAGGGTGAGACTGCTCCCAGTGCCA TGAACGGAGACGACGCCTTTGCAAGGAGACCCAGGGATGATGCTCAAATATCAGAGAAGT TACGAAAGGCCTTCGATGATATTGCCAAATACTTCTCTAAGAAAGAGTGGGAAAAGATGA AATCGTGGGAGAAAATCGTCTATGTGTATATGAAGCTAAACTATGAGGTGATGACTAAAC TAGGTGTCAAGGTGCACCCTCCACCTTTCATGCGTAGTAAACGGGCTGCAGACTCCAC GGGAATGATTTTGGTAACGATCGAAACCACAGGAATCAGGGTGAACGTCCTCAGATGACT TTCGGCAGCCTCCAGAGAATCTTCCCGAAGATCATGCCCAAGAAGCCAGCAGAGGAAGAA AATGGTTTGAAGGAAGTGCCANAGGCATCTGGCCACAAAATGATGGGAAACAGCTGTGC CCCCCGGAAATCCAAGTACCTTGAGAGAAGATCAACAAGACATCTGGACCCAAAAGGGGG AAACATGCCTGGACCCACAGACTGCGTGAGAGAAAGCAGCTGGTGGTTTATGAAGAGATC AGCGACCCTGAGGAAGATGACGAGTAACTCCCCTCCGGGATATGACACATGCCCATGATG AGAAGCAGAACGTGGTGACCTTTCACGAACATGGGCATGGCTGCGGAGCCCTCTCATCAG GTGCATANCGAGTGAAANCAAGTGTACACAGTAAAAGTGAGCGTCTTTTNTCTTATGT GCCAAGAGTGCNATGTNGGGTTTCCCCTGATTTTCTGTCATGTGCCATTCTGTANACAT ANCGTGTTCCTGAGGAGCAGAAGTCTAA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_005636
<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>	<u><a href="#">NM_005636.1</a></u> , <u><a href="#">NP_005627.1</a></u>
<b>RefSeq Size:</b>	576 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	6759
<b>UniProt ID:</b>	<u><a href="#">O60224</a></u>
<b>Cytogenetics:</b>	Xp11.23
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

The product of this gene belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. These proteins may function as transcriptional repressors. They are also capable of eliciting spontaneously humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. SSX1, SSX2 and SSX4 genes have been involved in the t(X;18) translocation characteristically found in all synovial sarcomas. This translocation results in the fusion of the synovial sarcoma translocation gene on chromosome 18 to one of the SSX genes on chromosome X. Chromosome Xp11 contains a segmental duplication resulting in two identical copies of synovial sarcoma, X breakpoint 4, SSX4 and SSX4B, in tail-to-tail orientation. This gene, SSX4, represents the more telomeric copy. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).