

## Product datasheet for **SC123342**

### **SSX5 (NM\_175723) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SSX5 (NM_175723) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSX5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_175723 edited  
 GAGGGAGCTTGGGAGGGCTTTTGGCTGATGCCACTTGTTCTTCTTGCCATAAAGACGGTGT  
 CTGACTTCCAGGCAACAATGCACACAGAAGTTACAAGTGTGGATACTAGAGTCAGAGCCT  
 GGATCCAATGCTGCTTCTTAACAGCTGTGTGACTTCCACAAGTAAATGCAACATCTCTG  
 GGTCTCTGTTTCTGTTCTGCAAAATGGGGTACTGTCTACTTGCCCCAGGGACCTGCTG  
 TGCTGAGGATCATTCCCAGGAAGCACCTAGCACCATGCTGGGCTCGGCACCAGGCTGACATCGA  
 AAATGTTCACTGTCACAATGGCCCTGCTTCTCTGTTGCTCGGCACCAGGCTGACATCGA  
 GTACACAGTCAATGAAGAAACAAGGAGACTCTGCAAGGAGATACATTAGGATGATGTA  
 GACAAAGCCTTGGGAAAAGTCTGGTGCCTTTGCTGGGGGAAAGATTTCCAGATGGAGCT  
 CCTCAGGATGGCCTGCCAATCCAATAAACTCAGGTTCTAGAAAGCCTCCCCACCCAC  
 CCCACCCCACTCTGTAAGCCCCACCAAAACCAGGACAGCAGCAATTCTCCCTTCCCCT  
 GGTGTGCCTTCCCGGTGGTCTGTTTCTTAGGACAGGAACGCAGCTGTCTGGAAGGCAC  
 CCAGGGAAGCCATTCTTGGGACATGTCCCTGACCCACCCCGCAAGGCTGGGATGAC  
 AGAAGGACAAACCAGCCAAACATATGGACCCGTGGCCAGGATAGGCAACAGCTGGGCC  
 ACTGCCTGACTTTTCTTCTGCTCCTTGAATATTCTGGCAATGAGAAGACATAGTCTCAG  
 CAATTATAGACATTTTCCAGGAAATCCTAACCGCTAAGGGAACAATTTGCTCCATTCT  
 CACACATTTCAATCTACTTATTTGGAAGACCAATCCTTGCCTGGGCATGCACGCACATGC  
 GCGCGCGCGCACCTT  
 CATGTGGTCTGTGTAGAAGTACACAAACCTGATAATAGCAACCACTAATATTTAGTATATGCTAAGTAA  
 TAAAAGTAGCTACTATAGTCATCATCTCATATAGTCTCACAACAAGCATTGAGACAGGG  
 GCTCTATCCACATTTACAGATGAGGACACAGAGGTGGGCTGCCTTTCACAGAACAAGCT  
 GCTAGCCATGCTGGGGCTGGCGTCGGAGCCAGGTCTAAGAACTCTGGTACAAGGAATCC  
 ACTCCCTTCCCGGATTTGCCTCCTCCACCTGTGCTTAAGGAGTTAACCTTGTGCGGAGAG  
 GTTTTCTTCTTGGTTATGTTTTCTATTCTTTGGGTAAGTTTGACAAAGTGGGGTCTT  
 TTTTCATCGCCAGAGTCTGTGTCCCTGGAGGCTGAGGAAGGAACCAGAAAGTTGCACTTTCC  
 AACATGGATCGCCTGCTAATTTTCCAAGGCAGCTCAGCCCTGCCAGCGTCCCCTCCCTC  
 CTTTGGGCTGAGGGCCAGGAACCCAGCCTCAAAGTTCAGCTTGCTTCTCCAGCAGCGCA  
 CATTTGGAATTTGAAATTTCCACATTTTACCACACAAAAGCCAGGTTGTATTTTGT  
 CTCTTCAAATATGCCAAAGGAATTTTCTACCCCTTGAATTTCTCCAAAAAAGTA  
 GAAAAAGTCAAGACATTTTGCCTGTAAGCTGAGAATAGAAAAATCAACATGCAGGGTG  
 CCATTTCCAGGATGTTACGAAACAGCGAACATGTGAATCCGTCTCAACACCATTTGGCAA  
 CTTTGGGATACAGTAGATGATATTTCTACCCACAAACTCCTCACTGAGTTTATATTA  
 CATTTTGTCTTTTTTTTTTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_175723

**Insert Size:** 1898 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:** [NM\\_175723.1](#), [NP\\_783729.1](#)

**RefSeq Size:** 1276 bp

**RefSeq ORF:** 567 bp

**Locus ID:** 6758

**UniProt ID:** [O60225](#)

**Cytogenetics:** Xp11.23

**Protein Families:** 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 spontaneous humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. While some of the related SSX genes are involved in t(X;18)(p11.2;q11.2) translocations that are characteristically found in all synovial sarcomas, this gene does not appear to be involved in such translocations. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.