

Product datasheet for **SC126184**

SSX2 (NM_003147) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SSX2 (NM_003147) Human Untagged Clone
Tag: Tag Free
Symbol: SSX2
Synonyms: CT5.2; CT5.2A; HD21; HOM-MEL-40; SSX
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003147 edited
 CTCAGAGTACGCACGGTCTGATTTCTCTTTGGATTCTTCCAAAATCAGAGTCAGACTGC
 TCCCGGTGCCATGAACGGAGACGACGCCCTTTGCAAGGAGACCCACGGTTGGTGCTCAAAT
 ACCAGAGAAGATCCAAAAGGCCTTCGATGATATTGCCAAATACTTCTCTAAGGAAGAGTG
 GGAAAAGATGAAAGCCTCGGAGAAAATCTTCTATGTGTATATGAAGAGAAAGTATGAGGC
 TATGACTAAACTAGTTTCAAGGCCACCCTCCACCTTTCATGTGTAATAAACGGGCCGA
 AGACTTCCAGGGGAATGATTTGGATAATGACCCTAACCGTGGGAATCAGGTTGAACGTCC
 TCAGATGACTTTCGGCAGGCTCCAGGGAATCTCCCGAAGATCATGCCAAGAAGCCAGC
 AGAGGAAGGAAATGATTCGGAGGAAGTCCAGAACATCTGGCCACAAAATGATGGGAA
 AGAGCTGTGCCCCCGGAAAACCAACTACCTCTGAGAAGATTCAGGAGAGATCTGGAAA
 TAGGGAGGCCCAAGAAAAGGAAGAGAGACGCGAACAGCTCATCGGTGGAGCAGTCAGAA
 CACACACAACATTGGTCGATTCAGTTTGTCAACTTCTATGGGTGCAGTTCATGGTACCCC
 CAAAACAATTACACACAACAGGGACCCAAAAGGGGGGAACATGCCTGGACCCACAGACTG
 CGTGAGAGAAAACAGCTGGTGATTTATGAAGAGATCAGCGACCCTGAGGAAGATGACGAG
 TAACTCCCCTCAGGGATACGACACATGCCATGATGAGAAGCAGAACGTGGTGACCTTTC
 ACGAACATGGGCATGGCTGCGGACCCCTCGTCATCAGGTGCATAGCAAGTGAAAGCAAGT
 GTTCAACACAGTAAAAGTTGAGCGTCATTTTTCTTAGTGTGCCAAGAGTTCGATGTTAG
 CGTTTACGTTGTATTTTCTTACTGTGTCATTCTGTTAGATACTAACATTTTCATTGAT
 GAGCAAGACATACTTAATGCATATTTTGGTTTGTGTATCCATGCACCTACCTTAGAAAAC
 AAGTATTGTGCGTTACCTCTGCATGGAACAGCATTACCCTCCTCTCCCAGATGTGAC
 TACTGAGGGCAGTTCTGAGTGTTAATTTTCAGATTTTTTCTCTGCATTTACACACACAC
 GCACACAAACCACACCACCCAC
 CAAGTACCAGTATAAGCATCTGCCATCTGCTTTTCCCATTGCCATGCGTCCTGGTCAAGC
 TCCCCTCACTCTGTTTCTGGTCAGCATGTACTCCCCTCATCCGATTCCTGTAGCAGT
 CACTGACAGTTAATAAACCTTTGCAAACGTTCAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003147 unedited TCCGGGGAGTCCGATTTTGTATACNATTATATAGGCGGCCGNAATTCGCACGAGGCTC AGAGTACGCACGGTCTGATTTTCTTTGGATTCTTCCAAAATCAGAGTCAGACTGCTCC CGGTGCCATGAACGGAGACGACGCCTTTGCAAGGAGACCCACGGTTGGTGCTCAAATACC AGAGAAGATCCAAAAGGCCTTCGATGATATTGCCAAATACTTCTCTAAGGAAGAGTGGGA AAAGATGAAAGCCTCGGAGAAAACTTCTATGTGTATATGAAGAGAAAAGTATGAGGCTAT GACTAAACTAGGTTTCAAGGCCACCCCTCCACCTTTCATGTGTAATAAACGGGCCGAAGA CTTCCAGGGGAATGATTTGGATAATGACCCTAACCGTGGGAATCAGGTTGAACGTCCTCA GATGACTTTTCGGCAGGCTCCAGGGAATCTCCCCGAAGATCATGCCCAAGAAGCCAGCAGA GGAAGGAAATGATTCGGAGGAAGTGCCAGAAGCATCTGGCCACAAAATGATGGGAAAGA GCTGTGCCCCCGGAAAACCACTACCTCTGAGAAGATTCACGAGAGATCTGGAATAG GGAGGCCCAAGAAAAGGAAGAGAGACGCGGAACAGCTCATCGGTGGAGCAGTCAGAACAC ACACAACATTGGTCGATTCACTTCTATGGGTGCAGNTCATGGTACCCCAA AACAAATACCCANCCACAGGGACCCANAAGGGGGGAACATGCCTTGGACCCACAGACTGC TTGAGAAAAAACAGCTGGGGATTTTATGAAAAATCAGCGACCCTGAGGAGATGACGAGTA ACTCCCTTAGGGAACCAACATGCCCTGAAAAAAACAAACCGGGGACCTTTCCAAC ATGGCATGGGTGCGGCCCTG
Restriction Sites:	Please inquire
ACCN:	NM_003147
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_003147.4</u> , <u>NP_003138.3</u>
RefSeq Size:	1466 bp
RefSeq ORF:	672 bp
Locus ID:	6757
UniProt ID:	<u>Q16385</u>
Cytogenetics:	Xp11.22
Protein Families:	Druggable Genome, 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. This gene, and also the SSX1 and SSX4 family members, have been involved in t(X;18)(p11.2;q11.2) translocations that are 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. The encoded hybrid proteins are likely responsible for transforming activity. Alternative splicing of this gene results in multiple transcript variants. This gene also has an identical duplicate, GeneID: 727837, located about 45 kb downstream in the opposite orientation on chromosome X. [provided by RefSeq, Jul 2013]

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