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Product datasheet for SC122725

SSX1 (NM_005635) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX1 (NM_005635) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSX1
Synonyms:	CT5.1; SSRC
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_005635 edited
CCAACTGCTGCCAACTCGCCACCACTGCTGCCGACCTCGCAACCACTGCTTTGTCTCTGA
AGTGAGACTGCTCCTGGTGCCATGAACGGAGACGACACCTTTGCAAAGAGACCCAGGGAT
GATGCTAAAGCATCAGAGAAGAGAAGCAAGGCCTTTGATGATATTGCCACATACTTCTCT
AAGAAAGAGTGGAAAAAGATGAAATACTCGGAGAAAATCAGCTATGTGTATATGAAGAGA
AACTATAAGGCCATGACTAAACTAGGTTTCAAAGTCACCCTCCCACCTTTCATGTGTAAT
AAACAGGCCACAGACTTCCAGGGGAATGATTTTGATAATGACCATAACCGCAGGATTCAG
GTTGAACATCCTCAGATGACTTTCGGCAGGCTCCACAGAATCATCCCGAAGATCATGCCC
AAGAAGCCAGCAGAGGACGAAAATGATTCGAAGGGAGTGTCAGAAGCATCTGGCCCACAA
AACGATGGGAAACAACTGCACCCCCCAGGAAAAGCAAATATTTCTGAGAAGATTAATAAG
AGATCTGGACCCAAAAGGGGGAAACATGCCTGGACCCACAGACTGCGTGAGAGAAAGCAG
CTGGTGATTTATGAAGAGATCAGCGACCCTGAGGAAGATGACGAGTAACTCCCCTGGGGG
ATACGACACATGCCCTTGATGAGAAGCAGAACGTGGTGACCTTTCACGAACATGGGCATG
GCTGCGGCTCCCTCGTCATCAGGTGCATAGCAAGTGAAAGCAAGTGTTCACAACGGTGAA
ACTTGAGCGTCATTTTTCTTAGTGTGCCAAGAGTTCGATGTTAGTGTTTCCATTGTATTT
TCTTACAGTGTGCCATTCTGTTAGATACTATCCTTATAATTGATGAGCAAGACATACTGA
ATGCATATTTCGGTTTGTGTATCCATGCACCTACGTCAGAAAACAAGTATTGTCAGGTAT
TCTCTCCATAGAACAGCACTATCCTCATCTCTCCCCAGATGTGACTACTGAGGGCAGTTC
TGAGTGTTTAATTTCAGACTTTTTCCTCTGCATTTACACACACACACACACACACACGCA
CACACACACACCAAGTACCAGTATAAGCATCTCCCATCTGCTTTTCCCATTGCCATGCGT
CCTGGTCAAGCCCCCCTCACTCTGTTTCCTGGTCAGCATGTACTCCCCTCATCCGATTCC
CCTGTATCAGTCACTGACAGTTAATAAACCTTTGCAAACGTTCAAAAAAAAAAAAAAAAA
A

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005635 unedited
NNGGTTTTAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCGGGATATCGTCGAC
CCACGCGTCCGCCAACTGCTGCCAACTCGCCACCACTGCTGCCGACCTCGCAACCACTGC
TTTGTCTCTGAAGTGAGACTGCTCCTGGTGCCATGAACGGAGACGACACCTTTGCAAAGA
GACCCAGGGATGATGCTAAAGCATCAGAGAAGAGAAGCAAGGCCTTTGATGATATTGCCA
CATACTTCTCTAAGAAAGAGTGGAAAAAGATGAAATACTCGGAGAAAATCAGCTATGTGT
ATATGAAGAGAAACTATAAGGCCATGACTAAACTAGGTTTCAAAGTCACCCTCCCACCTT
TCATGTGTAATAAACAGGCCACAGACTTCCAGGGGAATGATTTTGATAATGACCATAACC
GCAGGATTCAGGTTGAACATCCTCAGATGACTTTCGGCAGGCTCCACAGAATCATCCCGA
AGATCATGCCCAAGAAGCCAGCAGAGGACGAAAATGATTCGAAGGGAGTGTCAGAAGCAT
CTGGCCCACAAAACGATGGGAAACAACTGCACCCCCCAGGAAAAGCAAATATTTCTGAGA
AGATTAATAAGAGATCTGGACCCAAAAGGGGGAAACATGCCTGGACCCACAGACTGCGTG
AGAGAAAGCAGCTGGTGATTTATGAAGAGATCAGCGACCCTNGAGAAGATGACGAGTAAC
TCCCCTGGGGGATACGACACATGCCCTTGATGAGAAGCAGAACGTGGTGACCTTTCACGA
ACATGGGCATGGCTGCGGCTCCCTCGTCATCAGGTGCATAGCAAGTGAAAGCAAGTGTTC
ACAACGGGTGAAACTTGAGCGTCATTTTTCTTAAGTGTGCCAGAGTTCGATGNTAGTGTT
TCCATTGTATTTTCTTACAT
```

Restriction Sites: Please inquire

ACCN: NM_005635

Insert Size: 1260 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_005635.2, NP_005626.1

RefSeq Size: 1271 bp

RefSeq ORF: 567 bp

Locus ID: 6756

UniProt ID: Q16384

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. This gene, and also the SSX2 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. A related pseudogene has been identified on chromosome X. [provided by RefSeq, Jul 2013] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.