

Product datasheet for **RG201600**

SSX1 (NM_005635) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: SSX1 (NM_005635) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: SSX1
 Synonyms: CT5.1; SSRC
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG201600 representing NM_005635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGAGACGACACCTTTGCAAAGAGACCCAGGGATGATGCTAAAGCATCAGAGAAGAGAAGCAAGG
 CCTTTGATGATATTGCCACATACTTCTCTAAGAAAGAGTGAAAAAGATGAAATACTCGGAGAAAATCAG
 CTATGTGTATATGAAGAGAACTATAAGGCCATGACTAACTAGGTTTCAAAGTCACCCTCCCACCTTTC
 ATGTGTAATAAACAGGCCACAGACTTCCAGGGGAATGATTTTGATAATGACCATAACCGCAGGATTGAG
 TTGAACATCCTCAGATGACTTTTCGGCAGGCTCCACAGAATCATCCGAAGATCATGCCAAGAAGCCAGC
 AGAGGACGAAAAATGATTGGAAGGAGTGTGAGAAAGCATCTGGCCCAAAAACGATGGGAAACAACTGCAC
 CCCCCAGGAAAAGCAAATATTTCTGAGAAGATTAATAAGAGATCTGGACCCAAAAGGGGAAACATGCCT
 GGACCCACAGACTGCGTGAGAGAAAGCAGCTGGTGATTATGAAGAGATCAGCGACCCTGAGGAAGATGA
 CGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201600 representing NM_005635
 Red=Cloning site Green=Tags(s)

MNGDDTFAKRPRDDAKASEKRSKAFDDIATYFSKKEWKMKYSEKISYVYMKRNYKAMTKLGFKVTLPPF
 MCNKQATDFQGNDFDNDHNRIQVEHPQMTFGR LHRIIPKIMPKKPAEDENDSKGVSEASGPQNDGKQLH
 PPGKANISEKINKRSGPKRGKHAWTHRLRERKQLVIYEEISDPEEDDE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_005635

ORF Size: 564 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_005635.2](#), [NP_005626.1](#)

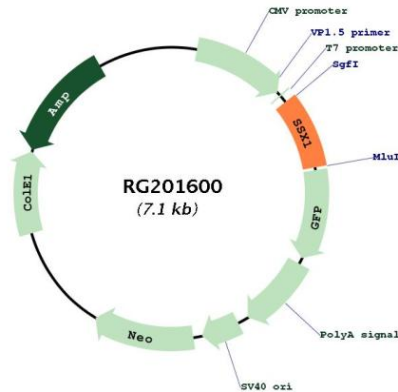
RefSeq Size: 1271 bp

RefSeq ORF: 567 bp

Locus ID: 6756

UniProt ID:	Q16384
Cytogenetics:	Xp11.23
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p>

Product images:



Circular map for RG201600