

Product datasheet for **RG203244**

SSX3 (NM_175711) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SSX3 (NM_175711) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SSX3
Synonyms: CT5.3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203244 representing NM_175711
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGAGATGACACCTTTGCAAGGAGACCCACGGTTGGTGCTCAAATACCAGAGAAGATACAAAAGG
 CCTTCGATGATTTGCCAAATACTTCTCTAAGGAAGAGTGGGAAAAGATGAAAGTCTCGGAGAAAATCGT
 CTATGTGTATATGAAGAGAAAGTATGAGGCCATGACTAACTAGGTTTCAAGGCCATCTCCCATCTTTC
 ATGCGTAATAAACGGGTACAGACTTCCAGGGGAATGATTTTGATAATGACCCTAACCGTGGGAATCAGG
 TTCAACGTCCTCAGATGACTTTTCGGCAGGCTCCAGGGAATCTTCCGAAGATCATGCCAAGAAGCCAGC
 AGAGGAAGGAAATGTTTCGAAGGAAGTGCAGAAAGCATCTGGCCACAAAACGATGGGAAACAGCTGTGC
 CCCCCGGGAAAACCAACTACCTCTGAGAAGATTAACATGATATCTGGTGTCTTCAGAGATACTGCAGGT
 TCGGTTCCAGACCACTGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203244 representing NM_175711
 Red=Cloning site Green=Tags(s)

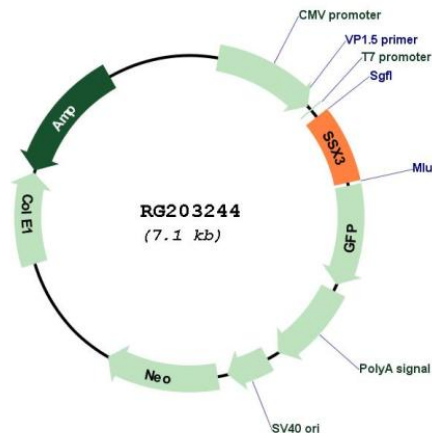
MNGDDTFARRPTVGAQIPEKIQAFFDDIAKYFSKEEWEKMKVSEKIVVYVMKRKYEAMTKLGFKAILPSF
 MRNKRVTDFQGNDFDNDPNRGNQVQRPQMTFGRLQGIFPKIMPKKPAEEGNVSKEVPEASGPQNDGKQLC
 PPGKPTTSEKINMISGLVLRYSRPLQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_175711

ORF Size: 510 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:	<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_175711.1, NP_783642.1</u>
RefSeq Size:	825 bp
RefSeq ORF:	512 bp
Locus ID:	10214
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. [provided by RefSeq, Jul 2013]