

Product datasheet for **RG202208**

SSX5 (NM_021015) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: SSX5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202208 representing NM_021015
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAACGGAGACGATGCCTTTGTACGGAGACCTAGGGTTGGTTCTCAAATACCACAGAAGATGCAAAAGC
ATCCCTGGAGACAAGTCTGTGACCGTGAATACATTTGGTGAATCTCAGTCCGTTCTGGAAGGTGGGAAG
AGAGCCAGCCAGCAGCATTAAAGCTCTACTGTGTGGCAGGGGAGAAGCTAGGGCCTTCGATGATATTGCC
AAATACTTCTCTGAGAAAGAGTGGGAAAAGATGAAAGCCTCGGAGAAAATCATCTATGTGTATATGAAGA
GAAAGTATGAGGCCATGACTAACTAGGTTTCAAGGCCACCCTCCACCTTTCATGCGTAATAAACGGGT
CGCAGACTTCCAGGGGAATGATTTTGATAATGACCCTAACCGTGGGAATCAGGTTGAACATCCTCAGATG
ACTTTTCGGCAGGCTCCAGGGAATCTTCCCGAAGATCACGCCCGAGAAGCCAGCAGAGGAAGGAAATGATT
CAAAGGGAGTGCCAGAAGCATCTGGCCACAGAACAATGGGAAACAGCTGCGCCCTCAGGAAAATAAA
TACCTCTGAGAAGGTTAACAAGACATCTGGACCCAAAAGGGGAAACATGCCTGGACCCACAGAGTGCCT
GAGAGAAAGCAACTGGTGATTTATGAAGAGATCAGCGACCCTCAGGAAGATGACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202208 representing NM_021015
Red=Cloning site Green=Tags(s)

MNGDDAFVRRPRVGSQIPQKMQKHPWRQVCDRGIHLVNLSPFWKVGREPASSIKALLCGRGEARAFDDIA
KYFSEKEWEKMKASEKIIYVYMKRKYEAMTKLGFKATLPPFMRNKRVAADFQGNDFDNDPNRGNQVEHPQM
TFGRLQGIFPKITPEKPAEEGNDKGVPEASGPQNNKGQLRPSGKLNTSEKVNKTSGBKRGKHAWTHRVR
ERKQLVIYEEISDPQEDDE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_021015

ORF Size: 687 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.

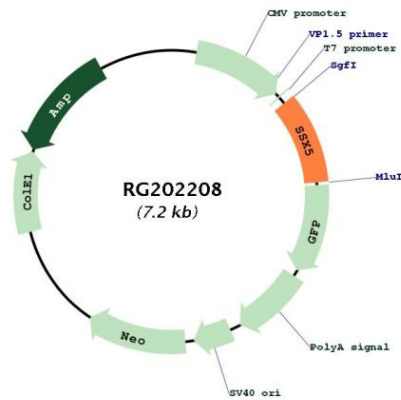
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021015.2](#)

RefSeq Size: 1399 bp

RefSeq ORF:	690 bp
Locus ID:	6758
UniProt ID:	O60225
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. 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]</p>

Product images:



Circular map for RG202208