

## Product datasheet for **RG202758**

### **SSX4 (SSX4B) (NM\_001034832) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SSX4 (SSX4B) (NM\_001034832) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SSX4B  
**Synonyms:** CT5.4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202758 representing NM\_001034832  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACGGAGACGACGCCTTTGCAAGGAGACCCAGGGATGATGCTCAAATATCAGAGAAGTTACGAAAGG  
CCTTCGATGATTTGCCAAACTTCTCTAAGAAAGAGTGGGAAAAGATGAAATCCTCGGAGAAAATCGT  
CTATGTGTATATGAAGCTAAACTATGAGGTCATGACTAACTAGGTTTCAAGGTCACCCTCCACCTTTC  
ATGCGTAGTAAACGGGCTGCAGACTTCCACGGGAATGATTTTGGTAACGATCGAAACCACAGGAATCAGG  
TTGAACGTCCTCAGATGACTTTTCGCGAGCCTCCAGAGAATCTTCCGAAGATCATGCCAAGAAGCCAGC  
AGAGGAAGAAAATGGTTTGAAGGAAGTGCCAGAGGCATCTGGCCACAAAATGATGGGAAACAGCTGTGC  
CCCCCGGAAATCCAAGTACCTTGAGAAGATTAACAAGACATCTGGACCCAAAAGGGGAAACATGCCT  
GGACCCACAGACTGCGTGAGAGAAAAGCAGCTGGTGGTTTATGAAGAGATCAGCGACCCTGAGGAAGATGA  
CGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG202758 representing NM\_001034832  
**Red=Cloning site Green=Tags(s)**

MNGDDAFARRPRDDAQISEKLRKAFDDIAKYFSKKEWEKMSSEKIVVYVMKLNVEVMTKLGFKVTLPPF  
MRSKRAADFHGNDFGNDRNHRNQVERPQMTFGSLQRIFFPKIMPKKPAEEENGLKEVPEASGPQNDGKQLC  
PPGNPSTLEKINKTSGPKRGKHAWTHRLRERKQLVYVEEISDPEEDE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_001034832.3](#), [NP\\_001030004.1](#)

**RefSeq Size:** 1244 bp

**RefSeq ORF:** 567 bp

**Locus ID:** 548313

**UniProt ID:** [O60224](#)

**Cytogenetics:** Xp11.23

**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 spontaneously humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. SSX1, SSX2 and SSX4 genes have been involved in the t(X;18) translocation 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. Chromosome Xp11 contains a segmental duplication resulting in two identical copies of synovial sarcoma, X breakpoint 4, SSX4 and SSX4B, in tail-to-tail orientation. This gene, SSX4B, represents the more centromeric copy. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]