OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG220407

SSX4 (SSX4B) (NM_001040612) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX4 (SSX4B) (NM_001040612) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SSX4
Synonyms:	CT5.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG220407 representing NM_001040612
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGGAGACGACGCCTTTGCAAGGAGACCCAGGGATGATGCTCAAATATCAGAGAAGTTACGAAAGG
CCTTCGATGATATTGCCAAATACTTCTCTAAGAAAGAGTGGGAAAAGATGAAATCCTCGGAGAAAATCGT
CTATGTGTATATGAAGCTAAACTATGAGGTCATGACTAAACTAGGTTTCAAGGTCACCCTCCCACCTTTC
ATGCGTAGTAAACGGGCTGCAGACTTCCACGGGAATGATTTTGGTAACGATCGAAACCACAGGAATCAGG
TTGAACGTCCTCAGATGACTTTCGGCAGCCTCCAGAGAATCTTCCCGAAGGACCCAAAAGGGGGAAACAT
GCCTGGACCCACAGACTGCGTGAGAGAAAGCAGCTGGTGGTTTATGAAGAGATCAGCGACCCTGAGGAAG
ATGACGAGTAACTCCCCTCGGGGATATGACACATGCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220407 representing NM_001040612
Red=Cloning site Green=Tags(s)

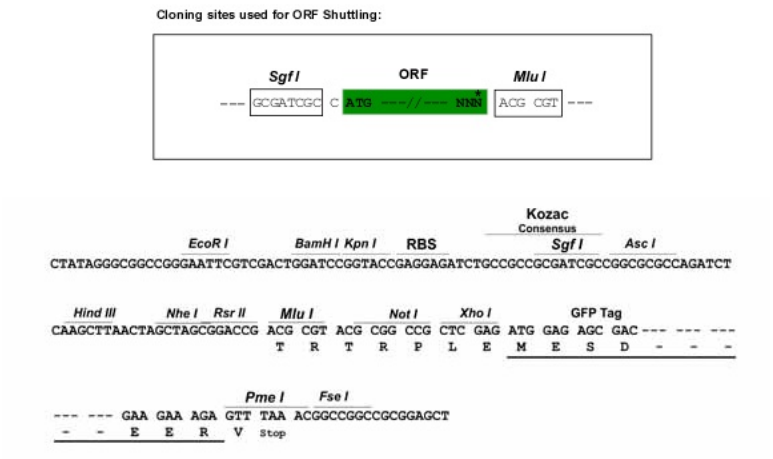
MNGDDAFARRPRDDAQISEKLRKAFDDIAKYFSKKEWEKMKSSEKIVYVYMKLNYEVMTKLGFKVTLPPF
MRSKRAADFHGNDFGNDRNHRNQVERPQMTFGSLQRIFPKDPKGGNMPGPTDCVRESSWWFMKRSATLRK
MTSNSPRGYDTCP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:

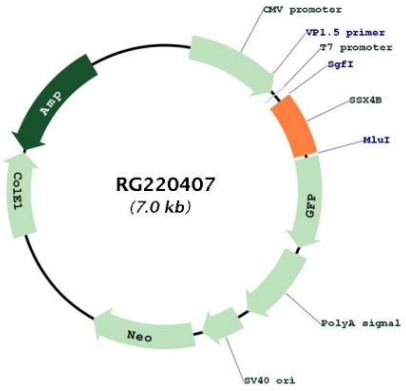


ACCN:	NM_001040612
ORF Size:	459 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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.
RefSeq:	NM_001040612.2, NP_001035702.1
RefSeq Size:	1077 bp
RefSeq ORF:	462 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]

Product images:



Circular map for RG220407