

Product datasheet for **RC203244**

SSX3 (NM_175711) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX3 (NM_175711) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SSX3
Synonyms:	CT5.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203244 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGAGATGACACCTTTGCAAGGAGACCCACGGTTGGTGCTCAAATACCAGAGAAGATACAAAAGG
CCTTCGATGATTTGCCAAATACTTCTCTAAGGAAGAGTGGGAAAAGATGAAAGTCTCGGAGAAAATCGT
CTATGTGTATATGAAGAGAAAGTATGAGGCCATGACTAACTAGGTTTCAAGGCCATCTCCCATCTTTC
ATCGGTAATAAACGGGTACAGACTTCCAGGGGAATGATTTTGATAATGACCCTAACCGTGGGAATCAGG
TTCAACGTCCTCAGATGACTTTTCGGCAGGCTCCAGGGAATCTTCCGAAGATCATGCCAAGAAGCCAGC
AGAGGAAGGAAATGTTTCGAAGGAAGTGCCAGAAGCATCTGGCCACAAAACGATGGGAAACAGCTGTGC
CCCCGGGAAAACCAACTACCTCTGAGAAGATTAACATGATATCTGGTGTCTTCAGAGATACTGCAGGT
TCGGTTCCAGACCACTGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC203244 protein sequence Red=Cloning site Green=Tags(s)
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MNGDDTFARRPTVGAQIPEKIQKAFDDIAKYFSKEEWEKMKVSEKIVVYVMKRKYEAMTKLGFKAILPSF
MRNKRVTDFQGNDFDNDPNRGNQVRPQMTFGRLLQGIFFPKIMPKKPAEEGNVSKEVPEASGPQNDGKQLC
PPGKPTTSEKINMISGLVLRFCRFGSRPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/mk6417_b05.zip
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Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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_175711.1](#), [NP_783642.1](#)

RefSeq Size: 825 bp

RefSeq ORF: 512 bp

Locus ID: 10214

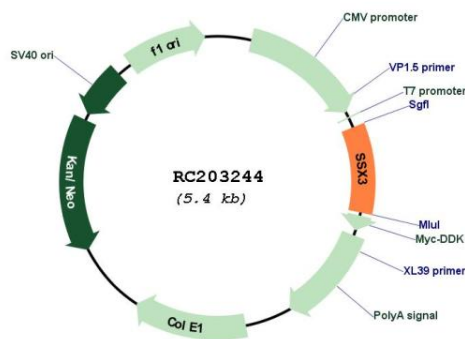
Cytogenetics: Xp11.23

Protein Families: Transcription Factors

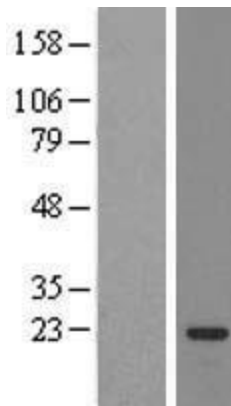
MW: 19.5 kDa

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]

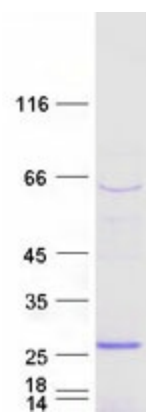
Product images:



Circular map for RC203244



Western blot validation of overexpression lysate (Cat# [LY406259]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203244 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SSX3 protein (Cat# [TP303244]). The protein was produced from HEK293T cells transfected with SSX3 cDNA clone (Cat# RC203244) using MegaTran 2.0 (Cat# [TT210002]).