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Product datasheet for RC216184

SSX5 (NM_175723) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSX5 (NM_175723) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SSX5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC216184 representing NM_175723
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACGGAGACGATGCCTTTGTACGGAGACCTAGGGTTGGTTCTCAAATACCAGAGAAGATGCAAAAGG
CCTTCGATGATATTGCCAAATACTTCTCTGAGAAAGAGTGGGAAAAGATGAAAGCCTCGGAGAAAATCAT
CTATGTGTATATGAAGAGAAAGTATGAGGCCATGACTAAACTAGGTTTCAAGGCCACCCTCCCACCTTTC
ATGCGTAATAAACGGGTCGCAGACTTCCAGGGGAATGATTTTGATAATGACCCTAACCGTGGGAATCAGG
TTGAACATCCTCAGATGACTTTCGGCAGGCTCCAGGGAATCTTCCCGAAGATCACGCCCGAGAAGCCAGC
AGAGGAAGGAAATGATTCGAAGGGAGTGCCAGAAGCATCTGGCCCACAGAACAATGGGAAACAGCTGCGC
CCCTCAGGAAAACTAAATACCTCTGAGAAGGTTAACAAGACATCTGGACCCAAAAGGGGGAAACATGCCT
GGACCCACAGAGTGCGTGAGAGAAAGCAACTGGTGATTTATGAAGAGATCAGCGACCCTCAGGAAGATGA
CGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC216184 representing NM_175723
Red=Cloning site Green=Tags(s)

MNGDDAFVRRPRVGSQIPEKMQKAFDDIAKYFSEKEWEKMKASEKIIYVYMKRKYEAMTKLGFKATLPPF
MRNKRVADFQGNDFDNDPNRGNQVEHPQMTFGRLQGIFPKITPEKPAEEGNDSKGVPEASGPQNNGKQLR
PSGKLNTSEKVNKTSGPKRGKHAWTHRVRERKQLVIYEEISDPQEDDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/ja1433_g01.zip

View online »

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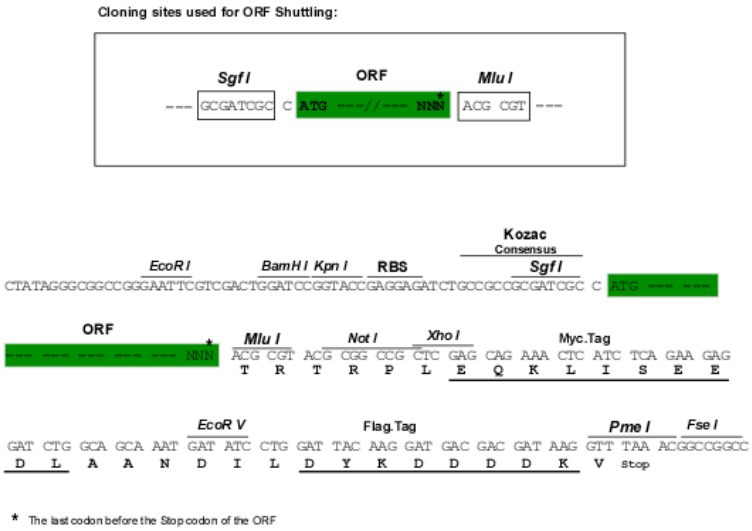
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175723

ORF Size: 564 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_175723.1, NP_783729.1

RefSeq Size: 1276 bp

RefSeq ORF: 567 bp

Locus ID: 6758

UniProt ID: O60225

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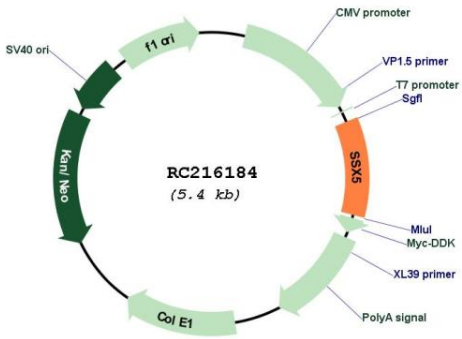
Cytogenetics: Xp11.23

Protein Families: Transcription Factors

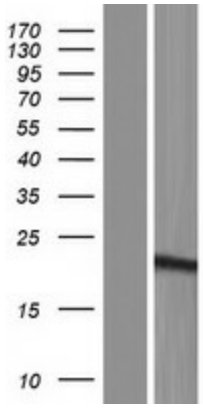
MW: 21.5 kDa

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. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC216184



Western blot validation of overexpression lysate (Cat# [LY406264]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216184 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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