

SSX1 cDNA

Catalog Number: ATGD0343

PRODUCT INFORMATION

Catalog number

ATGD0343

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005626.1

Alternative Names

CT5.1, SSRC

mRNA Refseq

NM_005635.3

OMIM

312820

Chromosome location

Xp11.23

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

567bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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SSX1 belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. These proteins may function as transcriptional repressors. This gene, and also the SSX2 and SSX4 family members, have been involved in t (X;18) (p11. 2;q11. 2) translocations that are 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. The encoded hybrid proteins are likely responsible for transforming activity. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome X.

DATA

Sequence nucleotides

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ATGAACGGAGACGACACCTTTGCAAAGAGACCCAGGGATGATGCTAAAGCATCAGAGAAGAGAAGCAAGGCCTTTGATGAT
ATTGCCACATACTTCTCTAAGAAAGAGTGAAAAAAGATGAAATACTCGGAGAAAATCAGCTATGTGTATATGAAGAGAAACT
ATAAGGCCATGACTAAACTAGGTTTCAAAGTCACCCTCCCACCTTTCATGTGTAATAAACAGGCCACAGACTTCCAGGGGAA
TGATTTTGATAATGACCATAACCGCAGGATTCAGGTTGAACATCCTCAGATGACTTTCGGCAGGCTCCACAGAATCATCCCG
AAGATCATGCCCAAGAAGCCAGCAGAGGACGAAAATGATTCTGAAGGGAGTGTCAGAAGCATCTGGCCCAAAAACGATGG
GAAACAACCTGCACCCCCCAGGAAAAGCAAATATTTCTGAGAAGATTAATAAGAGATCTGGACCCAAAAGGGGGGAAACATGC
CTGGACCCACAGACTGCGTGAGAGAAAGCAGCTGGTGATTTATGAAGAGATCAGTGACCCTGAGGAAGATGACGAGTAA
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Transaction Sequence

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MNGDDTFAKR PRDDAKASEK RSKAFDDIAT YFSKKEWKKM KYSEKISYVY MKRNYKAMTK LGFKVTLPPF MCNKQATDFQ
GNDFDNDHNR RIQVEHPQMT FGRLHRIIPK IMPKKPAEDE NDSKGVSEAS GPQNDGKQLH PPGKANISEK INKRSGPKRG
KHAWTHRLRE RKQLVIYEEI SDPEEDDE
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