

SSX4 cDNA

Catalog Number: ATGD0257

PRODUCT INFORMATION

Catalog number

ATGD0257

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005627.1

Alternative Names

CT5.4

mRNA Refseq

NM_005636.3

OMIM

300326

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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The product of SSX4 belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. SSX4 may function as transcriptional repressors. SSX4 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. SSX4, represents the more telomeric copy. Two transcript variants encoding distinct isoforms have been identified for SSX4.

DATA

Sequence nucleotides

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ATGAACGGAGACGACGCCTTTGCAAGGAGACCCAGGGATGATGCTCAAATATCAGAGAAGTTACGAAAGGCCTTCGATGAT
ATTGCCAAATACTTCTCTAAGAAAGAGTGGGAAAAGATGAAATCCTCGGAGAAAATCGTCTATGTGTATATGAAGCTAAACT
ATGAGGTCATGACTAAACTAGGTTTCAAGGTCACCCTCCCACCTTTCATGCGTAGTAAACGGGCTGCAGACTTCCACGGGAA
TGATTTTGGTAACGATCGAAACCACAGGAATCAGGTTGAACGTCCTCAGATGACTTTCGGCAGCCTCCAGAGAATCTTCCCG
AAGATCATGCCCAAGAAGCCAGCAGAGGAAGAAAATGGTTTGAAGGAAGTGCCAGAGGCATCTGGCCCACAAAATGATGG
GAAACAGCTGTGCCCCCGGGAAATCCAAGTACCTTGGAGAAGATTAACAAGACATCTGGACCCAAAAGGGGGAAACATGC
CTGGACCCACAGACTGCGTGAGAGAAAGCAGCTGGTGGTTTATGAAGAGATCAGCGACCCTGAGGAAGATGACGAGTAA
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Transaction Sequence

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MNGDDAFARR PRDDAQISEK LRKAFDDIAK YFSKKEWEKM KSSEKIVVYVY MKLNYEVMTKLGFKVTLPPF MRSKRAADFH
GNDFGNDRNH RNQVERPQMT FGSLQRIFPK IMPKKPAEEENGLKEVPEAS GPQNDGKQLC PPGNPSTLEK INKTSGPKRG
KHAWTHRLRE RKQLVVYEEISDPEEDDE
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