# **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

Centrifuge at 7000rpm for 1 minute.
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**



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

#### **Transaction Sequence**

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

