

Recombinant Human SSX1

Cat. No. SSX1-31171TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SSX1 with N terminal proprietary tag; Predicted MW 36.63 kDa
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	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 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. The encoded hybrid proteins are probably responsible for transforming activity.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed at high level in the testis. Expressed at low level in thyroid. Not detected in tonsil, colon, lung, spleen, prostate, kidney, striated and smooth muscles. Detected in rhabdomyosarcoma and fibrosarcoma cell lines. Not detected in mesenchymal and

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	NRRIQVEHPQMTFGRLHRIIPKIMPKKPAEDENDSKGVSEASGPQNDGKQLHPPGK ANISEKINKRSGPKRGKHAWTHRLRERKQLVIYEEISDPPEEDDE
Sequence Similarities	Belongs to the SSX family.Contains 1 KRAB-related domain.

GENE INFORMATION

Gene Name	SSX1 synovial sarcoma, X breakpoint 1 [Homo sapiens]
Official Symbol	SSX1
Synonyms	SSX1; synovial sarcoma, X breakpoint 1; protein SSX1; cancer/testis antigen family 5; member 1; CT5.1;
Gene ID	6756
mRNA Refseq	NM_005635
Protein Refseq	NP_005626
MIM	312820

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Uniprot ID	Q16384
Chromosome Location	Xp11.23
Pathway	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	nucleic acid binding; transcription corepressor activity;

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