

Recombinant Human SSX1, His-tagged

Cat. No. SSX1-7541H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SSX1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-188aa
Antigen Description	Protein SSX1 belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. SSX proteins are localized to the nucleus and expressed in testis and several types of cancers and, therefore, they are classified as C/T (cancer/testis) antigens. These proteins may function as transcriptional repressors. SSX1 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	24.3 kDa (211aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNGDDTF AKRPRDDAKA SEKRSKAFDD IATYFSKKEW KKMKYSEKIS YVYMKRNYKA MTKLGFKVTL PPFMCNKQAT DFQGNDFDND HNRRIQVEHP QMTFGRLHRI IPKIMPKKPA EDENDSKGVS

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	EASGPQNDGK QLHPPGKANI SEKINKRSGP KRGKHAWTHR LRERKQLVIY EEISDPPEEDD E
Purity	>85% as determined by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml
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; cancer/testis antigen 5.1; cancer/testis antigen family 5, member 1; sarcoma, synovial, X-chromosome-related 1; SSRC; MGC5162; MGC150425;
Gene ID	6756
mRNA Refseq	NM_005635
Protein Refseq	NP_005626
MIM	312820
UniProt ID	Q16384

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

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