Recombinant Human SSX1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SSX1-021H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SSX1 MS Standard C13 and N15-labeled recombinant protein (NP_005626) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 spontaneous humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. 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.
Molecular Mass	21.9 kDa
AA Sequence	MNGDDTFAKRPRDDAKASEKRSKAFDDIATYFSKKEWKKMKYSEKISYVYMKRNYK AMTKLGFKVTLPPFMCNKQATDFQGNDFDNDHNRRIQVEHPQMTFGRLHRIIPKIMP

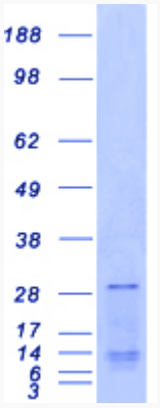
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	KKPAEDENDSKGVSEASGPQNDGKQLHPPGKANISEKINKRSGPKRGKHAWTHRL RERKQLVIYEEISDPEEDDETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SSX1 SSX family member 1 [Homo sapiens (human)]
Official Symbol	SSX1
Synonyms	SSX1; SSX family member 1; CT5.1; SSRC; protein SSX1; cancer/testis antigen 5.1; cancer/testis antigen family 5, member 1; sarcoma, synovial, X-chromosome-related 1; synovial sarcoma, X breakpoint 1
Gene ID	6756
mRNA Refseq	NM_005635
Protein Refseq	NP_005626
MIM	312820

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UniProt ID	Q16384
SDS-PAGE	

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