

Recombinant Human SSX2 protein, His/SUMO-tagged

Cat. No. SSX2-236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SSX2(1-188aa) fused with His/SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-188aa
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. Two transcript variants encoding distinct isoforms have been identified for this gene.
Molecular Mass	37.55kD
AA Sequence	MNGDDAFARRPTVGAQIPEKIQKAFDDIAKYFSKEEWEKMKASEKIFYVYMKRKYEA MTKLGFKATLPPFMCNKR AEDFQGNDLDNDPNRGNQVERPQMTFGRLQGISP PKKPAEEGNDSEEVPEASGPQNDGKELCPPGKPTTSEK IHERSGPKRGEHAWTHR

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LPERKQLVIYEEISDPPEEDDE

GENE INFORMATION

Gene Name [SSX2 synovial sarcoma, X breakpoint 2 \[Homo sapiens \]](#)

Official Symbol [SSX2](#)

Synonyms SSX2; synovial sarcoma, X breakpoint 2; SSX; protein SSX2; cancer/testis antigen family 5; member 2a; CT5.2a; HD21; HOM MEL 40; MGC3884; MGC15364; MGC119055; sarcoma; synovial; X chromosome related 2; synovial sarcoma; X breakpoint 2; isoform b; X breakpoint 2B; CT5.2; tumor antigen HOM-MEL-40; cancer/testis antigen 5.2; synovial sarcoma, X breakpoint 2B; cancer/testis antigen family 5, member 2a; sarcoma, synovial, X-chromosome-related 2; synovial sarcoma, X breakpoint 2, isoform b; SSX2B; HOM-MEL-40;

Gene ID [6757](#)

mRNA Refseq [NM_003147](#)

Protein Refseq [NP_003138](#)

MIM [300192](#)

UniProt ID [Q16385](#)

Chromosome Location Xp11.22

Pathway Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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