

Recombinant Human SSX4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SSX4-2504H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SSX4 MS Standard C13 and N15-labeled recombinant protein (NP_005627) 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 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. This gene, SSX4, represents the more telomeric copy. Two transcript variants encoding distinct isoforms have been identified for this gene.
Molecular Mass	21.9 kDa
AA Sequence	MNGDDAFARRPRDDAQISEKLRKAFDDIAKYFSKKEWEKMKSSSEKIVYVYMKLNYE

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VMTKLGFKVTLPPFMRSKRAADFHGNDGNDNRNHRNQVERPQMTFGSLQRIFPKIM
PKKPAAEEENGLKEVPEASGPQNDGKQLCPPGNPSTLEKINKTSGPKRGKHAWTHR
LRERKQLVVYEEISDPEEDDETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 SSX4 SSX family member 4 [Homo sapiens (human)]

Official Symbol SSX4

Synonyms SSX4; synovial sarcoma, X breakpoint 4; protein SSX4; CT5.4; cancer/testis antigen 5.4; SSX4B; MGC12411; MGC119056;

Gene ID 6759

mRNA Refseq NM_005636

Protein Refseq NP_005627

MIM 300326

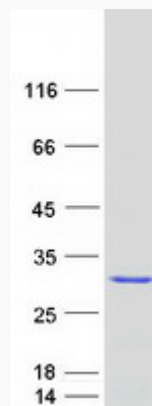
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UniProt ID

O60224

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