

## Product datasheet for PH324314

### SSX4 (NM\_005636) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SSX4 MS Standard C13 and N15-labeled recombinant protein (NP_005627)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224314
Predicted MW:	21.9 kDa
Protein Sequence:	>RC224314 protein sequence Red=Cloning site Green=Tags(s)  MNGDDAFARRPRDDAQISEKLRKAFDDIAKYFSKKEWEKMSSEKIVYVYMKLNVEVMTKLGFKVTLPPF MRSKRAADFHGNDFGNDRNHRNQVERPQMTFGSLQRIIFPKIMPKKPAEEENGLKEVPEASGPQNDGKQLC PPGNPSTLEKINKTSGPKRGKHAWTHRLRERKQLVYVYEEISDPEEDDE  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_005627</a>
RefSeq Size:	1250
RefSeq ORF:	564
Synonyms:	CT5.4
Locus ID:	6759
UniProt ID:	<a href="#">O60224</a>



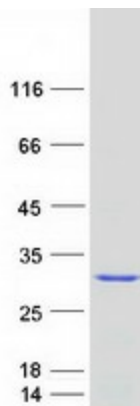
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**Cytogenetics:** Xp11.23

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified SSX4 protein (Cat# [TP324314]). The protein was produced from HEK293T cells transfected with SSX4 cDNA clone (Cat# [RC224314]) using MegaTran 2.0 (Cat# [TT210002]).