

## 32-4970: Recombinant Human Synovial Sarcoma, X Breakpoint 1

**Alternative Name :** Synovial Sarcoma X Breakpoint 1, Cancer/Testis Antigen 5.1, CT5.1, SSRC Sarcoma Synovial X-Chromosome-Related 1, Cancer/Testis Antigen Family 5 Member 1, Cancer/Testis Antigen Family 5, Protein SSX1, Member 1, SSX1.

### Description

Source : Escherichia Coli. SSX1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids (1-188 a.a) and having a molecular mass of 24.3kDa. SSX1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Synovial Sarcoma, X Breakpoint 1 (SSX1) is a member of a family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. SSX proteins are localized to the nucleus and expressed in testis and some types of cancers and, hence, they are classified as C/T (cancer/testis) antigens. These proteins may serve as transcriptional repressors. SSX1 genes are involved in the t (X;18) translocation typically found in all synovial sarcomas. This translocation leads to the fusion of the synovial sarcoma translocation gene on chromosome 18 to one of the SSX genes on chromosome X. These hybrid proteins are most likely responsible for transforming activity.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** SSX1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMMNGDDTF AKRPRDDAKA SEKRSKAFDD IATYFSKKEW  
KKMKYSEKIS YVYMKRNYKA MTKLGFKVTL PPFMCNKQAT DFQGNDFDND HNRRIQVEHP QMTFGRLLHRI  
IPKIMPKKPA EDENDSKGVS EASGPQNDGK QLHPPGKANI SEKINKRSGP KRGKHAWTHR LRERKQLVIY  
EEISDPPEEDD E.

