
Product Data Sheet

Product Name: SSX1 Human
 Cat. No.: GP24708
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNGDDTF AKRPRDDAKA SEKRSKAFDD IATYFSKKEW KKMKYSEKIS YVYMKRNYKA MTKLGFKVTL PPFMCNKQAT DFQGNDFDND HNRRIQVEHP QMTFGR LHRI IPKIMP KKPA EDENDSKGVS EASGPQNDGK QLHPPGKANI SEKINKRSGP KRGKHAWTHR LRERKQLVIY EEISDPEEDD E.		
Formulation	SSX1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

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.

Stability

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

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