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Recombinant human SSX1 protein

Catalog Number: ATGP1985

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-188aa

UniProt No.
Q16384

NCBI Accession No.
NP_005626

Alternative Names
Protein SSX1, CT5.1, SSRC

PRODUCT SPECIFICATION

Molecular Weight
24.3 kDa (211aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Protein SSX1 belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. SSX proteins are localized to the nucleus and expressed in testis and several types of cancers and, therefore, they are classified as C/T (cancer/testis) antigens. These proteins may function as transcriptional repressors. SSX1 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.

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Recombinant human SSX1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

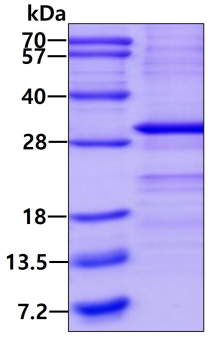
<MGSSHHHHHH SSGLVPRGSH MGS>MNGDDTF AKRPRDDAKA SEKRSKAFDD IATYFSKKEW KKMKYSEKIS YVYMKRNYKA MTKLGFKVTL PPFMCNKQAT DFQGNDFDND HNRRIQVEHP QMTFGRLHRI IPKIMPKKPA EDENDSKGVS EASGPQNDGK QLHPPGKANI SEKINKRSGP KRGKHAWTHR LRERKQLVIY EEISDPEEDD E

General References

Crew A J., et al. (1995) EMBO J. 14:2333-2340.
Nilsson G., et al. (1999) Cancer Res. 59:3180-3184.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.