

Product datasheet for PH301214

SSX2 (NM_003147) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SSX2 MS Standard C13 and N15-labeled recombinant protein (NP_003138)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201214
Predicted MW:	25.2 kDa
Protein Sequence:	>RC201214 protein sequence Red=Cloning site Green=Tags(s) MNGDDAFARRPTVGAQIPEKIQKAFDDIAKYFSKEEWEKMKASEKIFYVYMKRKYEAMTKLGFKATLPPF MCNKRAEDFQGNLDNDPNRGNQVERPQMTFGRLQGISPKIMPKKPAEEGNDSEEVPEASGPQNDGKELC PPGKPTTSEKIHRSNREAQEKEERRGTAHRWSSQNTNIGRFSLSTSMGAVHGTGPKTITHNRDPKGGN MPGPTDCVRENSW TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_003138
RefSeq Size:	1494
RefSeq ORF:	669
Synonyms:	CT5.2; CT5.2A; HD21; HOM-MEL-40; SSX
Locus ID:	6757
UniProt ID:	Q16385



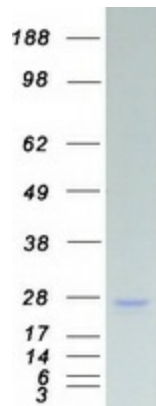
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Cytogenetics: Xp11.22

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 spontaneous humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. This gene, and also the SSX1 and SSX4 family members, have been involved in t(X;18)(p11.2;q11.2) translocations that are 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 likely responsible for transforming activity. Alternative splicing of this gene results in multiple transcript variants. This gene also has an identical duplicate, GeneID: 727837, located about 45 kb downstream in the opposite orientation on chromosome X. [provided by RefSeq, Jul 2013]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified SSX2 protein (Cat# [TP301214]). The protein was produced from HEK293T cells transfected with SSX2 cDNA clone (Cat# [RC201214]) using MegaTran 2.0 (Cat# [TT210002]).