

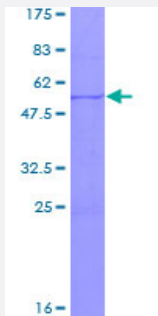
Full-Length

SSX4 (Human) Recombinant Protein (P01)

Catalog # H00006759-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SSX4 full-length ORF (NP_005627.1, 1 a.a. - 188 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNGDDAFARRPRDDAQISEKLRKAFDDIAKYFSKKEWEKMKSSSEKIVVYMKLNYEVMTKLGFKV TLPPFMRSKRAADFHGNDFGNDRNHRNQVERPQMTFGSLQRIFPKIMPKKPAEEENGLKEVPEA SGPQNDGKQLCPPGNPSTLEKINKTSGPKRGKHAWTHRLRERKQLVYEEISDPEEDDE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	48.3
Interspecies Antigen Sequence	Mouse (54)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SSX4

Entrez GeneID [6759](#)

GeneBank Accession# [NM_005636.3](#)

Protein Accession# [NP_005627.1](#)

Gene Name SSX4

Gene Alias MGC119056, MGC12411

Gene Description synovial sarcoma, X breakpoint 4

Omim ID [300326](#)

Gene Ontology [Hyperlink](#)

Gene 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 gene s 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]

Other Designations OTTHUMP00000024292

Publication Reference

- [Expression and Immunotherapeutic Targeting of the SSX Family of Cancer-Testis Antigens in Prostate Cancer.](#)

Smith HA, Cronk RJ, Lang JM, McNeel DG.

Cancer Research 2011 Nov; 71(21):6785.

Application: IHC-P, WB-Re, Human, Human testis tissues