SSX5 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SSX5, Blocking Peptide
Full Product Name	SSX5 Peptide - C-terminal region
Product Gene Name	SSX5 blocking peptide
Sequence	Synthetic peptide located within the following region: ASGPQNNGKQ LRPSGKLNTS EKVNKTSGPK RGKHAWTHRV RERKQLVIYE
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SSX5 peptide (MBS3229171) is used for blocking the activity of SSX5 antibody (MBS3204204)
Molecular Weight	25kDa
OMIM	U90842 mRNA
Product Categories/Family for SSX5 blocking peptide	Peptide
Applications Tested/Suitable for SSX5 blocking peptide	Western Blot (WB)
Related Product Information for SSX5 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SSX5 Antibody, made Target Description: 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. While some of the related SSX genes are involved in t(X;18)(p11.2;q11.2) translocations that are characteristically found in all synovial sarcomas, this gene does not appear to be involved in such translocations. Two transcript variants encoding distinct isoforms have been identified for this gene.
Other Notes	Small volumes of SSX5 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SSX5 purchase	MBS3229171 is a blocking peptide targeting SSX5. Also known as SSX5 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SSX5. It may not necessarily be applicable to this product.

NCBI GI #	28559015
NCBI GeneID	6758
NCBI Accession #	NP_066295.3
UniProt Primary Accession #	O60225
UniProt Related Accession #	O60225
GenBank Nucleotide #	NM_021015.3

NCBI Official Full Name	protein SSX5 isoform a
NCBI Official Synonym Full Names	SSX family member 5
NCBI Official Symbol	SSX5
UniProt Protein Name	Protein SSX5
Protein Family	Protein
UniProt Gene Name	SSX5
NCBI Protein Information	protein SSX5
NCBI Summary for SSX5	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. While some of the related SSX genes are involved in t(X;18)(p11.2;q11.2) translocations that are characteristically found in all synovial sarcomas, this gene does not appear to be involved in such translocations. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2013]
UniProt Comments for SSX5	Ssxb8: Could act as a modulator of transcription. Belongs to the SSX family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cancer Testis Antigen (CTA) Chromosomal Location of Human Ortholog: Xp11.23 Cellular Component: nucleus Molecular Function: nucleic acid binding; protein binding; transcription corepressor activity Biological Process: regulation of transcription, DNA-templated; transcription, DNA-dependent
Research Articles on SSX5	**1.** Two kinds of cancer-testis antigen, SSX-2 and SSX-5 showed high-specific and high-frequent expression in hepatocellular carcinoma tissues, but neither of them could be detected in adjacent non-HCC tissues.
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