INSM1 Blocking Peptide

PRODUCT OVERVIEW

Product Name	INSM1, Blocking Peptide
Full Product Name	INSM1 Peptide
Product Gene Name	INSM1 blocking peptide
Product Synonym Gene Name	IA1; IA-1
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	INSM1 peptide (MBS3226114) is used for blocking the activity of INSM1 antibody (MBS3201087)
Molecular Weight	53kDa
OMIM	600010
Product Categories/Family for INSM1 blocking peptide	Peptide
Applications Tested/Suitable for INSM1 blocking peptide	Western Blot (WB)
Related Product Information for INSM1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-INSM1 antibody made Target Description: The insulinoma-associated 1 (INSM1) gene is intronless and encodes a protein containing both a zinc finger DNA-binding domain and a putative prohormone domain. This gene is a sensitive marker for neuroendocrine differentiation of human lung tumors.
Other Notes	Small volumes of INSM1 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 INSM1 purchase	MBS3226114 is a blocking peptide targeting INSM1. Also known as INSM1 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for INSM1. It may not necessarily be applicable to this product.

NCBI GI #	4504713
NCBI GeneID	3642
NCBI Accession #	NP_002187
UniProt Primary Accession #	Q01101
UniProt Related Accession #	Q01101
GenBank Nucleotide #	NM_002196
NCBI Official Full Name	insulinoma-associated protein 1
NCBI Official Synonym Full Names	INSM transcriptional repressor 1
NCBI Official Symbol	INSM1
NCBI Official Synonym Symbols	IA1; IA-1

UniProt Protein Name	Insulinoma-associated protein 1
UniProt Synonym Protein Names	Zinc finger protein IA-1
Protein Family	Insulinoma-associated protein
UniProt Gene Name	INSM1
UniProt Synonym Gene Names	IA1
UniProt Entry Name	INSM1_HUMAN
NCBI Protein Information	insulinoma-associated protein 1
NCBI Summary for INSM1	Insulinoma-associated 1 (INSM1) gene is intronless and encodes a protein containing both a zinc finger DNA-binding domain and a putative prohormone domain. This gene is a sensitive marker for neuroendocrine differentiation of human lung tumors. [provided by RefSeq, Jul 2008]
UniProt Comments for INSM1	INSM1: May be associated with the transformation of neuroendocrine cells. Protein type: C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 20p11.2 Cellular Component: nucleoplasm; transcriptional repressor complex; nucleus Molecular Function: cyclin binding; chromatin DNA binding; histone deacetylase binding; metal ion binding; transcription factor activity Biological Process: norepinephrine biosynthetic process; negative regulation of cell proliferation; transcription, DNA-dependent; negative regulation of protein amino acid phosphorylation; regulation of gene expression; regulation of protein complex assembly; negative regulation of transcription from RNA polymerase II promoter; cell cycle; positive regulation of cell differentiation; endocrine pancreas development
Research Articles on INSM1	**1.** INSM1 is highly expressed in small-cell lung carcinomas.
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