Sip1 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Sip1, Blocking Peptide
Full Product Name	Sip1 Peptide - N-terminal region
Product Gene Name	Sip1 blocking peptide
Product Synonym Gene Name	1700012N19Rik; Gemin2; Sip1
Sequence	PRTPQEYLRR VQIEAAQCPD VVVAQIDPKK LKRKQSVNIS LSGCQPAPEG
Species Reactivity	Mouse
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	Sip1 peptide (MBS3230078) is used for blocking the activity of Sip1 antibody (MBS3205113)
Molecular Weight	30kDa
Product Categories/Family for Sip1 blocking peptide	Peptide
Applications Tested/Suitable for Sip1 blocking peptide	Western Blot (WB)
Related Product Information for Sip1 blocking peptide	The SMN complex plays an essential role in spliceosomal snRNP assembly in the cytoplasm and is required for pre-mRNA splicing in the nucleus.
Other Notes	Small volumes of Sip1 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 Sip1 purchase	MBS3230078 is a blocking peptide targeting Sip1. Also known as Sip1 Peptide - N-terminal region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Sip1. It may not necessarily be applicable to this product.

NCBI GI #	153792166
NCBI GeneID	66603
NCBI Accession #	NP_079932
UniProt Primary Accession #	Q9CQQ4
UniProt Related Accession #	Q9CQQ4
GenBank Nucleotide #	NM_025656
NCBI Official Full Name	gem-associated protein 2
NCBI Official Synonym Full Names	gem nuclear organelle associated protein 2
NCBI Official Symbol	Gemin2
NCBI Official Synonym Symbols	Sip1; gemin-2

UniProt Protein Name	Gem-associated protein 2
UniProt Synonym Protein Names	Component of gems 2; Survival of motor neuron protein-interacting protein 1; SMN-interacting protein 1
Protein Family	Pof6 interactor protein
UniProt Gene Name	Gemin2
UniProt Synonym Gene Names	Sip1; Gemin-2; SMN-interacting protein 1
UniProt Entry Name	GEMI2_MOUSE
NCBI Protein Information	gem-associated protein 2
NCBI Summary for Sip1	This gene encodes one of the proteins found in the survival of motor neuron (SMN) complex, which consists of the SMN protein and several gemin proteins. The SMN complex is localized to a subnuclear compartment called gems (gemini of coiled bodies) and is required for assembly of spliceosomal small nuclear ribonucleoproteins (snRNP) and for pre-mRNA splicing. This protein interacts directly with the SMN protein and it is required for formation of the SMN complex. Disruption of this gene in mouse resulted in impaired snRNP assembly, and motor neuron degeneration. [provided by RefSeq, Sep 2015]
Research Articles on Sip1	**1.** utilised a targeted screen to identify mRNA associated with SMN, Gemin2 and Gemin3 in the cytoplasm of a human neuroblastoma cell line, SHSY5Y
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