STMN3 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	STMN3, Blocking Peptide
Full Product Name	STMN3 Blocking Peptide
Product Gene Name	STMN3 blocking peptide
Product Synonym Names	AI604839; R75323; RP23-83A14.1; SCG10-like protein; Scgn10 like protein; Sclip; Stathmin like 3; Stathmin-3; STMN3; STMN3_HUMAN
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	STMN3 peptide (MBS9624717) is used for blocking the activity of STMN3 antibody (MBS9606000)
Molecular Weight	19,806 Da
OMIM	608362
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for STMN3 blocking peptide	Blocking/Control
Related Product Information for STMN3 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of STMN3 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 STMN3 purchase	MBS9624717 is a blocking peptide targeting STMN3.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STMN3. It may not necessarily be applicable to this product.

NCBI GI #	444189299
NCBI GeneID	50861
NCBI Accession #	NP_001263239.1
UniProt Primary Accession #	Q9NZ72
UniProt Secondary Accession #	O75527; Q969Y4; B3KSQ5; B7WP52; B7Z5G4
UniProt Related Accession #	Q9NZ72

GenBank Nucleotide #	NM_001276310.1
NCBI Official Full Name	stathmin-3 isoform 2
NCBI Official Synonym Full Names	stathmin-like 3
NCBI Official Symbol	STMN3
NCBI Official Synonym Symbols	SCLIP
UniProt Protein Name	Stathmin-3
UniProt Synonym Protein Names	SCG10-like protein
Protein Family	Stathmin
UniProt Gene Name	STMN3
UniProt Synonym Gene Names	SCLIP
UniProt Entry Name	STMN3_HUMAN
NCBI Protein Information	stathmin-3; SCG10-like protein; SCG10-like-protein
NCBI Summary for STMN3	This gene encodes a protein which is a member of the stathmin protein family. Members of this protein family form a complex with tubulins at a ratio of 2 tubulins for each stathmin protein. Microtubules require the ordered assembly of alpha- and beta-tubulins, and formation of a complex with stathmin disrupts microtubule formation and function. A pseudogene of this gene is located on chromosome 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]
UniProt Comments for STMN3	STMN3: Exhibits microtubule-destabilizing activity, which is antagonized by STAT3. Belongs to the stathmin family. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 20q13.3 Cellular Component: Golgi apparatus; neuron projection; growth cone; axon; cytoplasm Molecular Function: tubulin binding; protein domain specific binding Biological Process: negative regulation of Rac protein signal transduction; nervous system development; microtubule depolymerization; regulation of microtubule polymerization or depolymerization; cytoplasmic microtubule organization and biogenesis; neurite development; regulation of cytoskeleton organization and biogenesis
Research Articles on STMN3	**1.** STMN and SCG10 are similarly targeted by JNK but there are clear differences in JNK recognition and phosphorylation of the closely related family member, SCLIP.
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