STRN1/3 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	STRN1/3, Blocking Peptide
Full Product Name	STRN1/3 Blocking Peptide
Product Gene Name	STRN1/3 blocking peptide
Product Synonym Gene Name	STRN3
Product Synonym Names	Cell cycle autoantigen SG2NA; Cell cycle S/G2 nuclear autoantigen; GS2NA; nuclear autoantigen; S/G2 antigen; SG2NA; Striatin 3; Striatin, calmodulin binding protein 3; MGC125642; SG2NA; Striatin; Striatin Calmodulin binding protein; STRN; STRN_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	STRN1/3 peptide (MBS9622806) is used for blocking the activity of STRN1/3 antibody (MBS9604089)
Molecular Weight	Predicted MW: 87kDa
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 STRN1/3 blocking peptide	Blocking/Control
Related Product Information for STRN1/3 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 STRN1/3 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 STRN1/3 purchase	MBS9622806 is a blocking peptide targeting STRN1/3.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STRN1/3. It may not necessarily be applicable to this product.

NCBI GI #	142976686
NCBI GeneID	29966
NCBI Accession #	NP_001077362.1
UniProt Primary Accession #	Q13033

UniProt Secondary Accession #	Q9NRA5; A2RTX7; A6NHZ7
UniProt Related Accession #	Q13033
GenBank Nucleotide #	NM_001083893.1
NCBI Official Full Name	striatin-3 isoform 1
NCBI Official Synonym Full Names	striatin 3
NCBI Official Symbol	STRN3
NCBI Official Synonym Symbols	SG2NA; S/G2NA; PPP2R6B
UniProt Protein Name	Striatin-3
UniProt Synonym Protein Names	Cell cycle autoantigen SG2NA; S/G2 antigen
UniProt Gene Name	STRN3
UniProt Synonym Gene Names	GS2NA; SG2NA
NCBI Protein Information	striatin-3
UniProt Comments for STRN1/3	Binds calmodulin in a calcium dependent manner. May function as scaffolding or signaling protein.CautionWas originally thought to be nuclear.
Research Articles on STRN1/3	**1.** this study propose that the STRIPAK complex, FAM40A, FAM40B and STRN3, regulates the mode of cancer cell migration by controlling the activity of MST3 and 4, which locally coordinate the phosphorylation of ERM proteins and inhibit the dephosphorylation of MLC leading to increased actin-membrane linkage.
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