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

PRODUCT OVERVIEW

Product Name	NMS, Blocking Peptide
Full Product Name	NMS Blocking Peptide
Product Gene Name	NMS blocking peptide
Product Synonym Names	Neuromedin S; Neuromedin-S; Nms; NMS_HUMAN; Prepro NMS
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	NMS peptide (MBS9624408) is used for blocking the activity of NMS antibody (MBS9605691)
Molecular Weight	17,731 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (101086944..101099742). Location: 2q11.2
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 NMS blocking peptide	Blocking/Control
Related Product Information for NMS 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 NMS 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 NMS purchase	MBS9624408 is a blocking peptide targeting NMS.

ADDITIONAL DETAILS

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

NCBI GI #	58743316
NCBI GeneID	129521
NCBI Accession #	NP_001011717.1
UniProt Primary Accession #	Q5H8A3
UniProt Related Accession #	Q5H8A3
GenBank Nucleotide #	NM_001011717.1

NCBI Official Full Name	neuromedin-S
NCBI Official Synonym Full Names	neuromedin S
NCBI Official Symbol	NMS
UniProt Protein Name	Neuromedin-S
Protein Family	Neuromedin
UniProt Gene Name	NMS
UniProt Entry Name	NMS_HUMAN
NCBI Protein Information	neuromedin-S; prepro-NMS
NCBI Summary for NMS	This gene encodes a member of the neuromedin family of neuropeptides. The encoded protein is a precursor that is proteolytically processed to generate a biologically active neuropeptide that plays a role in the regulation of circadian rhythm, anorexigenic action, antidiuretic action, cardiovascular function and stimulation of oxytocin and vasopressin release. [provided by RefSeq, Aug 2015]
UniProt Comments for NMS	NMS: Implicated in the regulation of circadian rhythms through autocrine and/or paracrine actions. Belongs to the NmU family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 2q11.2 Cellular Component: extracellular region Biological Process: neuropeptide signaling pathway
Research Articles on NMS	**1.** Observational study of gene-disease association. (HuGE Navigator)
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Online datasheet: https://www.mybiosource.com/blocking-peptide/nms/9624408