Neuromedin S (Human) Peptide – Synthetic Peptide, >95% Purity

PRODUCT OVERVIEW

Product Name	Neuromedin S (NMS), Peptide
Full Product Name	Neuromedin S (Human)
Product Gene Name	NMS peptide
Host	Synthetic
Form/Format	Lyophilized Powder
Purity/Purification	> 95%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	3791.37
Molecular Formula	C173H265N53O44
Chemical Structure	Ile-Leu-Gln-Arg-Gly-Ser-Gly-Thr-Ala-Ala-Val-Asp-Phe-Thr-Lys-Lys-Asp-His-Thr-Ala-Thr-Trp-Gly-Arg-Pro-Phe-Phe-Leu-Phe-Arg-Pro-Arg-Asn-NH2
Related Product Information for NMS peptide	MBS8246815 is a peptide targeting NMS. Also known as Neuromedin S (Human). Host: Synthetic. Peptide to Neuromedin S (Human)
Other Notes	Small volumes of NMS 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.

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 Related Accession #	Q5H8A3
GenBank Nucleotide #	NM_001011717.1
NCBI Official Full Name	neuromedin-S preproprotein
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

NCBI Summary for NMS	This gene encodes a member of the neuromedin family of neuropeptides. The encoded preproprotein 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, May 2016]
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; Secreted, signal peptide Chromosomal Location of Human Ortholog: 2q11.2 Cellular Component: extracellular region Molecular Function: G-protein-coupled receptor binding Biological Process: locomotor rhythm; neuropeptide signaling pathway
Research Articles on NMS	**1.** Neuromedin s neurons define a subpopulation of pacemakers that control suprachiasmatic nucleus network synchrony.
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