GPR66 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	GPR66 (NMUR1), Blocking Peptide
Full Product Name	GPR66 Blocking Peptide
Product Gene Name	NMUR1 blocking peptide
Product Synonym Names	GPR66; Neuromedin-U receptor 1; NMU-R1; G-protein coupled receptor 66; G-protein coupled receptor FM-3
Host	Synthetic
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized Powder
Purity/Purification	>85%
Preparation and Storage	Store at -20 degree C for one year.
Molecular Weight	47,351 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (232387871..232395182, complement). Location: 2q37.1
OMIM	604153
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Directions for Use	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Applications Tested/Suitable for NMUR1 blocking peptide	Blocking (BL)
Related Product Information for NMUR1 blocking peptide	MBS8308830 is a blocking peptide targeting NMUR1. Also known as GPR66 Blocking Peptide. Reactive in Human, Mouse, Rat. Host: Synthetic. The peptide is used to block Anti-GPR66 Antibody reactivity.
Other Notes	Small volumes of NMUR1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NMUR1. It may not necessarily be applicable to this product.

NCBI GI #	188497623
NCBI GeneID	10316
NCBI Accession #	NP_006047.3
UniProt Primary Accession #	Q9HB89
UniProt Secondary Accession #	O55040; Q9JJI5
UniProt Related Accession #	Q9HB89
GenBank Nucleotide #	NM_006056.4
NCBI Official Full Name	neuromedin-U receptor 1
NCBI Official Synonym Full Names	neuromedin U receptor 1

NCBI Official Symbol	NMUR1
NCBI Official Synonym Symbols	FM3; FM-3; GPC-R; GPR66; NMU1R; (FM-3)
UniProt Protein Name	Neuromedin-U receptor 1
UniProt Synonym Protein Names	G-protein coupled receptor 66; G-protein coupled receptor FM-3
Protein Family	Neuromedin-U receptor
UniProt Gene Name	NMUR1
UniProt Synonym Gene Names	GPR66; NMU-R1
UniProt Entry Name	NMUR1_HUMAN
NCBI Protein Information	neuromedin-U receptor 1; NMU-R1; G protein-coupled receptor 66; G-protein coupled receptor 66; G-protein coupled receptor FM-3
UniProt Comments for NMUR1	NMUR1: Receptor for the neuromedin-U and neuromedin-S neuropeptides. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 1 Chromosomal Location of Human Ortholog: 2q37.1 Cellular Component: integral to plasma membrane; plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; neuropeptide receptor activity; neuromedin U receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; inositol phosphate-mediated signaling; smooth muscle contraction; phospholipase C activation; neuropeptide signaling pathway; calcium ion transport; calcium-mediated signaling; G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); chloride transport
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