GNRH2 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	GNRH2, Blocking Peptide
Full Product Name	GNRH2 Peptide - middle region
Product Gene Name	GNRH2 blocking peptide
Product Synonym Gene Name	GnRH-II; LH-RHII
Sequence	Synthetic peptide located within the following region: LLLLLLLTAH LGPSEAQHWS HGWYPGGKRA LSSAQDPQNA LRPPGRALDT
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	GNRH2 peptide (MBS3245844) is used for blocking the activity of GNRH2 antibody (MBS3221053)
Molecular Weight	13 kDa
OMIM	602352
Product Categories/Family for GNRH2 blocking peptide	Peptide
Applications Tested/Suitable for GNRH2 blocking peptide	Western Blot (WB)
Related Product Information for GNRH2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-GNRH2 Antibody, made Target Description: This gene encodes a secreted peptide hormone and member of the gonadotropin-releasing hormone (GnRH) family of proteins. The encoded protein regulates reproductive function by stimulating the production and release of the gonadotropins follicle-stimulating hormone (FSH) and luteinizing hormone (LH). The encoded protein may inhibit endometrial, ovarian, prostate, and breast cancer cell proliferation. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of GNRH2 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 GNRH2 purchase	MBS3245844 is a blocking peptide targeting GNRH2. Also known as GNRH2 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GNRH2. It may not necessarily be applicable to this product.

NCBI GI #	872724315
NCBI GeneID	2797
NCBI Accession #	NP_001297149.1
UniProt Primary Accession #	O43555
UniProt Related Accession #	O43555

GenBank Nucleotide #	NM_001310220.1
NCBI Official Full Name	progonadoliberin-2 isoform a preproprotein
NCBI Official Synonym Full Names	gonadotropin releasing hormone 2
NCBI Official Symbol	GNRH2
NCBI Official Synonym Symbols	GnRH-II; LH-RHII
UniProt Protein Name	Progonadoliberin-2
UniProt Synonym Protein Names	Progonadoliberin IICleaved into the following 2 chains:Gonadoliberin-2Alternative name(s):Gonadoliberin II; Gonadotropin-releasing hormone II; GnRH II; Luliberin II; Luteinizing hormone-releasing hormone II; LH-RH II
Protein Family	Progonadoliberin
UniProt Gene Name	GNRH2
UniProt Synonym Gene Names	GnRH II; LH-RH II
UniProt Entry Name	GON2_HUMAN
NCBI Protein Information	progonadoliberin-2
NCBI Summary for GNRH2	This gene encodes a secreted peptide hormone and member of the gonadotropin-releasing hormone (GnRH) family of proteins. The encoded protein regulates reproductive function by stimulating the production and release of the gonadotropins follicle-stimulating hormone (FSH) and luteinizing hormone (LH). The encoded protein may inhibit endometrial, ovarian, prostate, and breast cancer cell proliferation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
UniProt Comments for GNRH2	**Function:** Stimulates the secretion of gonadotropins; it stimulates the secretion of both luteinizing and follicle-stimulating hormones.
Research Articles on GNRH2	**1.** GnRHII expression correlated significantly with poor prognosis in breast cancer patients.
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