

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GnRH I (D43) Peptide

Cat No.: BS2880P

Background

Human reproduction is controlled by the hypothalamic-pituitary gonadal axis laid down early in fetal development. Luteinizing hormone releasing hormone

(LHRH), also known as gonadotropin releasing hormone (GnRH), luteinizing hormone releasing hormone (LHRH), gonadorelin or GnRH-associated peptide, is a decapeptide that is an important molecule in the hypothalamic-pituitary-gonadal axis control circuit. GnRH is produced by hypothalamic neurons and secreted in a pulsatile manner into the capillary plexus of the median eminence. GnRH affects the release of luteinizing hormone and follicle stimulating hormone from gonadotropic cells in the anterior pituitary. In addition to hypothalamic GnRH (GnRH I), a second GnRH form (GnRH II) functions primarily in the midbrain. GnRH is expressed in the acrosomal region of human sperm and in the anterior pituitary tissue and cancer cells. Unlike GnRH I, GnRH II is highly expressed outside the brain, particularly in the kidney, bone marrow and prostate, suggesting that it may have multiple functions. GnRH binds to a specific G protein-coupled receptor in the pituitary to regulate synthesis and secretion of gonadotropins.

Swiss-Prot

P01148

Applications

Blocking

Specificity

This peptide can be used with studies using BS2880 GnRH I (D43) pAb.

Purification & Purity

Synthetic peptide GnRH I (D43). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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