

Product datasheet

Recombinant Human GnRH protein ab112295

[1 Image](#)

Description

Product name	Recombinant Human GnRH protein	
Biological activity	useful for Antibody Production and Protein Array	
Expression system	Wheat germ	
Accession	P01148	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MKPIQKLLAGLILLTWCVEGCSSQHWSYGLRPGGKRDAE NLIDSFQEIVK EVGQLAETQRFECTTHQPRSPLRDLKGALESLEEETGQK KI	
Predicted molecular weight	36 kDa including tags	
Amino acids	1 to 92	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab112295** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid
Additional notes	useful for Antibody Production and Protein Array

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
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Constituents: 0.31% Glutathione, 0.79% Tris HCl

Glutathione is reduced

General Info

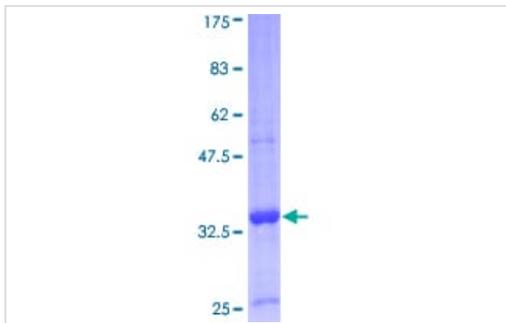
Relevance

Gonadotropin releasing hormone (GnRH), also known as luteinizing hormone releasing hormone (LHRH), is a key molecule in the regulation of reproduction in vertebrates. GnRH, a decapeptide, is produced by neurons in the medial basal hypothalamus (MBH) and secreted in a pulsatile manner into the cardiovascular system. The frequency and amplitude of GnRH pulses determine secretion of follicle stimulating hormone (FSH) and luteinizing hormone (LH) from the pituitary. Higher frequencies (greater than one pulse per hour) stimulate LH secretion while lower frequencies stimulate FSH secretion. The generation of GnRH pulses is effected by numerous stimuli, such as neural, hormonal and environmental. Therefore, behavioral and physiological conditions such as sleep, exercise, and stress can affect the GnRH pulses and cause a disruption of the normal cycle. Recent studies show that GnRH also has a role in mediating cancer. GnRH has been shown to inhibit the growth of human uterine leiomyoma cells by suppressing proliferation and inducing apoptosis. GnRH analogs have been used to treat a wide variety of reproductive cancers, although the side effects of using such compounds are often quite severe.

Cellular localization

Secreted

Images



ab112295 analysed on a 12.5% SDS-PAGE stained with Coomassie Blue.

SDS-PAGE - Recombinant Human GnRH protein
(ab112295)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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