

Progonadoliberin-2/GNRH II Protein, Human (HEK293, His)

Cat. No.:	HY-P70205
Synonyms:	rHuProgonadoliberin-2/GnRH II, His; Progonadoliberin-2; Progonadoliberin II; Gonadoliberin-2; Gonadoliberin II; Gonadotropin-Releasing Hormone II; GnRH II; Luliberin II; Luteinizing Hormone-Releasing Hormone II; LH-RH II; GnRH-Associated Peptide 2; GnRH-Associated Peptide II; GNRH2
Species:	Human
Source:	HEK293
Accession:	O43555 (Q24-V120)
Gene ID:	2797
Molecular Weight:	15-24 kDa

PROPERTIES

AA Sequence	<p>Q H W S H G W Y P G G K R A L S S A Q D P Q N A L R P P G R A L D T A A G S P V</p> <p>Q T A H G L P S D A L A P L D D S M P W E G R T T A Q W S L H R K R H L A R T L</p> <p>L T A A R E P R P A P P S S N K V</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Progonadoliberin-2/GNRH II protein plays a pivotal role in the endocrine system by acting as a potent stimulator of gonadotropin secretion. This includes its ability to promote the release of both luteinizing hormone (LH) and follicle-stimulating hormone (FSH), essential components in the regulation of reproductive processes. The protein's capacity to orchestrate the secretion of these key hormones underscores its significance in governing reproductive functions, making it a crucial player in the intricate network of endocrine signaling that governs the reproductive axis.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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