

## GNRH2 Protein, Human, Recombinant (His)

## General Information

Synonyms:	GnRH-Associated Peptide 2; LH-RH II; Gonadoliberin-2; GnRH II; Luliberin II; Progonadoliberin II; Progonadoliberin-2; Luteinizing Hormone-Releasing Hormone II; GnRH-Associated Peptide II; GNRH2; Gonadotropin-Releasing Hormone II; Gonadoliberin II
Protein Construction:	Gln24-Val120
Species:	Human
Expression Host:	HEK293 Cells
Accession:	O43555
Molecular Weight:	14-25 KDa (reducing condition)
AA Sequence:	Gln24-Val120

## QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

## Preparation and Storage

## Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

Progonadoliberin-2, also known as Progonadoliberin II and GNRH2, belongs to the gonadotropin-releasing hormone family. GNRH2 is specially expressed in midbrain, at significantly higher levels outside the brain (up to 30-fold). GNRH2 can be cleaved into two chains, gonadoliberin-2 and GnRH-associated peptide 2. gonadoliberin-2 regulates reproduction in females by stimulating the secretion of both luteinizing- and follicle-stimulating

hormones. The proproteins produce three transcript variants, but produce the same peptide hormone.

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