GHRH
Synthetic Human Growth Hormone Releasing Hormone

Catalog No.	CRH201A CRH201B CRH201C	**Quantity:**	250 µg 1.0 mg 5 mg

Alternate Names: GHRF, GRF

Description: Synthetic human GHRH is a single, non-glycosylated polypeptide chain containing 29 amino acids. It corresponds to the N-terminal segment of the naturally occurring human GHRH consisting of 44 amino acid residues. The free base of GHRH has the empirical formula $C_{149}H_{246}N_{44}O_{42}S$.

Gene ID: 2691

Protein Accession No: NP_066567

Molecular Weight: 3.36 kDa

Formulation: Lyophilized from a sterile filtered solution after extensive dialyses against 1.7 mg sodium phosphate buffer (0.1 mg sodium phosphate monobasic and 1.6 mg sodium phosphate dibasic)

Purity: > 98% as determined by SDS-PAGE and RP-HPLC analyses

Endotoxin Level: < 0.1 ng/µg of GHRH

Biological Activity: GHRH increases plasma growth hormone concentrations by directly stimulating the anterior pituitary gland to release natural human growth hormone.

Amino Acid Sequence: Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH_2

Reconstitution: **Centrifuge vial prior to opening**. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions. The product is also soluble in 1% acetic acid at a concentration of ≥ 1 mg/ml.

Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.**

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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com