

# Recombinant Human Growth Hormone Releasing Hormone

**Cat. No.** GHRH-200H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Growth Hormone Releasing Hormone is expressed in <i>E.coli</i> .
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Growth-hormone-releasing hormone (GHRH), also known as growth-hormone-releasing factor (GRF, GHRF) or somatocrinin, is a releasing hormone for growth hormone. It is a 44-amino acid peptide hormone produced in the arcuate nucleus of the hypothalamus. GHRH first appears in the human hypothalamus between 18 and 29 weeks of gestation, which corresponds to the start of production of growth hormone and other somatotropes in fetuses.
<b>Purity</b>	>98% as determined by SDS-PAGE and HPLC.
<b>Endotoxin</b>	Less than 0.1 ng/mg of GHRH.
<b>Physical Appearance</b>	Lyophilized powder.
<b>Reconstitution</b>	Centrifuge the vial prior to opening. Reconstitute in H <sub>2</sub> O to a concentration of 0.1-1.0 mg/ml.
<b>Storage</b>	Lyophilized GHRH should be stored desiccated below 0oC. Upon reconstitution GHRH can be stored at 4oC for 2-7 days. For long-term storage, it is recommended to add a carrier protein (0.1% HSA or BSA) and store aliquots at -20oC or -70oC.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Avoid freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	GHRH growth hormone releasing hormone [ Homo sapiens ]
<b>Synonyms</b>	GHRH; growth hormone releasing hormone; OTTHUMP00000030915; growth hormone-releasing factor; growth hormone-releasing hormone; sermorelin; somatocrinin; somatoliberin; somatorelin; GRF; INN; GHRF; MGC119781
<b>Gene ID</b>	2691
<b>mRNA Refseq</b>	NM_001184731
<b>Protein Refseq</b>	NP_001171660
<b>MIM</b>	139190
<b>UniProt ID</b>	P01286
<b>Chromosome Location</b>	20q11.2
<b>Pathway</b>	Neuroactive ligand-receptor interaction; Signaling by GPCR
<b>Function</b>	growth hormone-releasing hormone activity; growth hormone-releasing hormone receptor binding

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