



LKT Laboratories, Inc.

Growth Hormone Releasing Factor (1-44), human

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)

Web: [lktlabs.com](http://lktlabs.com)

## Product Information

Product ID G2870

CAS No. 83930-13-6

### Chemical Name

Synonym Somatorelin, Somatoliberin (humanpancreatic islet), GHRF, GHRH

Formula  $C_{215}H_{358}N_{72}O_{66}S$

Formula Wt. 5039.7

Melting Point

Purity  $\geq 95\%$

Solubility Soluble in water.

H-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-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH<sub>2</sub>

**Bulk quantities available upon request**

| Product ID | Size   |
|------------|--------|
| G2870      | 0.5 mg |
| G2870      | 1 mg   |
| G2870      | 2.5 mg |

Store Temp -20° C

Ship Temp Ambient

Description Growth hormone releasing factor (GHRF or GHRH) is an endogenous peptide hormone that binds the GHRH receptor in the anterior pituitary, inducing the release of growth hormone. GHRF promotes non-REM slow wave sleep in animal models. Additionally, GHRF decreases fat synthesis in adipose tissue in vivo, and increases locomotor activity in other animal models. In granulosa cells, GHRF stimulates activity of plasminogen activator, playing a role in follicular development.

References Obál F Jr, Krueger JM. The somatotropic axis and sleep. Rev Neurol (Paris). 2001 Nov;157(11 Pt 2):S12-5. PMID: 11924022.

Liesman JS, McNamara JP, Capuco AV, et al. Comparison of growth hormone-releasing factor and somatotropin: lipid and glucose metabolism in dairy cows. J Dairy Sci. 1995 Oct;78(10):2159-66. PMID: 8598400.

Karakji EG, Tsang BK. Growth hormone releasing factor and vasoactive intestinal peptide stimulate rat granulosa cell plasminogen activator activity in vitro during follicular development. Mol Cell Endocrinol. 1995 Jan;107(1):105-12. PMID: 7796929.

Alvarez XA, Cacabelos R. Influence of growth hormone (GH) and GH-releasing factor on locomotor activity in rats. Peptides. 1993 Jul-Aug;14(4):707-12. PMID: 8234013.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.