



# PBL InterferonSource

## HUMAN GROWTH HORMONE RELEASING FACTOR (1-29)

Product Number: **11974-1**

Size: **1 mg**

### Product Information

*Description:* Human Growth Hormone Releasing Factor [hGRF(1-29)-NH<sub>2</sub>]

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-NH<sub>2</sub>

C<sub>149</sub>H<sub>246</sub>N<sub>44</sub>O<sub>42</sub>S×6CF<sub>3</sub>COOH

*Molecular Weight (as TFA salt):* 4042.1

*Purity:* > 97% by analytical HPLC Lichrosorb RP8 [0.1M NaClO<sub>4</sub> (pH 2.5) - CH<sub>3</sub>CN]

*Characterization by Amino Acid Analysis:*

Asp,3.0(3);Thr,1.0(1);Ser,2.7(3);Glu,2.0(2);Ala,3.1(3);

Val,1.1(1);Met,0.9(1);Ile,1.9(2);Leu,4.1(4);Gly,1.0(1)

Tyr,2.0(2);Phe,1.0(1);Lys,2.0(2);Arg,3.1(3)

*Biological Activity:*

*In Vitro:* Cultured rat anterior pituitary cells were dispersed and incubated with hGRF(1-29)-NH<sub>2</sub> for 4 hours at 37°C at 3.1-200pM. Aliquots were assayed for Growth Hormone by standard double antibody RIA.

*In Vivo:* hGRF(1-29)-NH<sub>2</sub> was injected into mice IV (retro-orbital, 0-30µg/kg) and bled at time intervals of 0, 5, 10, 15, 30 and 60 minutes (post-injection). Aliquots were assayed for Growth Hormone by standard double antibody RIA.

*Reconstitution:* Reconstitute in 0.5 - 1.0 ml distilled water.

### Shipping Information

*Shipping Conditions:* Dry ice

*Physical State of Product During Shipping:* Frozen

*Special Conditions/Comments:* After receipt, this product should be kept at -70 °C or below for retention of full activity. Centrifuge before use to insure material is at bottom of vial. When reconstituting, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum.

**This Product is for RESEARCH USE ONLY and is not for sale or use in any *commercial* kit.**

**NOT FOR DIAGNOSTIC OR THERAPEUTIC USE, OR USE IN HUMANS.**

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your total interferon source

131 Ethel Road West, Suite 6 • Piscataway, NJ 08854 USA • Telephone: 732.777.9123 • Facsimile: 732.777.9141  
Toll Free: 877.PBL.8881 • email: [info@interferonsource.com](mailto:info@interferonsource.com)