



# PBL InterferonSource

## HUMAN GROWTH HORMONE RELEASING FACTOR (1-44)

Product Number: **11972-1**

Size: **1 mg**

### Product Information

*Description:* Human Growth Hormone Releasing Factor [hGRF(1-44)-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-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH<sub>2</sub>

C<sub>215</sub>H<sub>358</sub>N<sub>72</sub>O<sub>66</sub>S<sub>9</sub>CF<sub>3</sub>COOH

Molecular Weight (as TFA salt): 6065.9

*Contents:* 1mg / vial, lyophilized

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

*Characterization:* Fast atom bombardment mass spectrometry:

*Found:* [M+H]<sup>+</sup> 5040.5                      *Calculated:* [M+H]<sup>+</sup> 5040.8

*Amino Acid Analysis:* Asp, 4.08(4); Thr, 0.94(1); Ser, 3.75(4); Glu, 7.40(7); Ala, 5.00(5);

Val, 1.00(1); Met, 0.90(1); Ile, 1.98(2); Leu, 4.79(5); Gly, 3.14(3); Tyr, 1.97(2); Phe, 0.96(1); Lys, 1.75(2);

Arg, 5.94(6)

*Biological Activity:*

*In Vitro:* Cultured rat anterior pituitary cells were dispersed and incubated with hGRF(1-44)-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(1-44)-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 or for use in the preparation of any commercial antibody.**

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

your total interferon source

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