

## Somatoliberin/GHRH Protein, Human (HEK293, Fc)

<b>Cat. No.:</b>	HY-P70240
<b>Synonyms:</b>	rHuSomatoliberin/GHRH, Fc; Somatoliberin; Growth hormone-releasing factor; Somatocrinin; Somatorelin; Growth hormone-releasing hormone; GHRH; GHRF
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P01286 (P21-L75)
<b>Gene ID:</b>	2691
<b>Molecular Weight:</b>	Approximately 36.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           P P P P L T L R M R    R Y A D A I F T N S    Y R K V L G Q L S A    R K L L Q D I M S R            Q Q G E S N Q E R G    A R A R L         </p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The Somatoliberin/GHRH Protein, also known as GRF (Growth Hormone-Releasing Factor), is released by the hypothalamus, playing a pivotal role in the regulation of growth hormone secretion. Upon release, this protein acts on the adenohypophysis, stimulating the secretion of growth hormone. The intricate communication between the hypothalamus and the adenohypophysis, mediated by Somatoliberin/GHRH, is essential for orchestrating the body's growth and development processes. By initiating the release of growth hormone, this protein contributes to the regulation of key physiological functions, emphasizing its central role in the endocrine control of growth and metabolism.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA