

Growth Hormone Active Protein | GHRH active protein

Human Growth Hormone Releasing Hormone

CATALOG #
AAA38341

PRODUCT SYNONYMS

Growth Hormone; Human Growth Hormone Releasing Hormone; GHRH Human; Growth Hormone Releasing Hormone Human; Somatoliberin; Growth hormone-releasing factor; GRF; Growth hormone-releasing hormone; GHRH; Somatocrinin; Somatorelin; Sermorelin; GHRF; MGC119781; GHRH active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 98.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein (1mg/ml) was lyophilized after extensive dialyses against 1.7 mg sodium phosphate buffer (0.1mg sodium phosphate monobasic & 1.6 sodium phosphate dibasic). Sterile Filtered White lyophilized (freeze-dried) powder.
Concentration	1mg/ml (varies by lot)
Sequence	The free basic amino acid sequence of the synthetic peptide is: Tyr-Ala-Asp-Phe-Thr-Arg-Ser-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Arg-Ala-Leu-Asp-Gln-Leu-Asp-Ile-Met-Ser-Arg-NH ₂
Sequence Length	107
Solubility	It is recommended to reconstitute the lyophilized GHRH in sterile 18M Omega -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions. The GHRH is also soluble in 1% Acetic acid at a concentration of >1mg/ml to give a clear, colorless solution.
Biological Activity	GHRH increases plasma growth hormone concentrations by directly stimulating the anterior pituitary gland to release natural human growth hormone.
Preparation and Storage	Lyophilized Growth Hormone Releasing Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution GHRF should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for GHRH active protein	Description: Growth Hormone Releasing Hormone Human Synthetic is a single, non-glycosylated, polypeptide chain containing 29 amino acids and having a molecular mass of 3358.9 Dalton. Corresponds to the amino-terminal segment of the naturally occurring human growth hormone-releasing hormone consisting of 44 amino acid residues. The GHRH is purified by proprietary chromatographic techniques. Introduction: Growth-hormone-releasing hormone (GHRH), also known as growth-hormone-releasing factor (GRF or GHRF) or somatocrinin, is a 44-amino acid peptide hormone produced in the arcuate nucleus of the hypothalamus. GHRH is released from neurosecretory nerve terminals of these arcuate neurons, and is carried by the hypothalamo-hypophyseal portal circulation to the anterior pituitary gland where it stimulates growth hormone (GH) secretion. GHRH also stimulates the production of GH. GHRH is released in a pulsatile manner, stimulating similar pulsatile release of GH. In addition, GHRH also promotes slow-wave sleep directly.
Product Categories/Family for GHRH active protein	Hormones; Hormones; GHRP

NCBI AND UNIPROT INFORMATION

NCBI GI #	296080717
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NCBI GeneID	2691
NCBI Accession #	NP_001171660.1
NCBI GenBank Nucleotide #	NM_001184731.1
UniProt Accession #	P01286 ; Q4KN10 ; Q5JYR1
Molecular Weight	12,360 Da
NCBI Official Full Name	somatoliberin isoform 2 preproprotein
NCBI Official Synonym Full Names	growth hormone releasing hormone
NCBI Official Symbol	GHRH
NCBI Official Synonym Symbols	GRF; INN; GHRF
NCBI Protein Information	somatoliberin; growth hormone-releasing factor; growth hormone-releasing hormone; sermorelin; somatocrinin; somatorelin
UniProt Protein Name	Somatoliberin
UniProt Gene Name	GHRH
UniProt Synonym Gene Names	GHRF; GRF; GHRH
UniProt Entry Name	SLIB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ghrh-active-protein/growth-hormone/38341>