

Recombinant Human GHRH, His-tagged

Cat. No. GHRH-13251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GHRH protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	21-108a.a.
Description	The protein encoded by this gene is actually a preproprotein that is cleaved into four distinct mature peptides. One of these, glucagon, is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Two of the other peptides are secreted from gut endocrine cells and promote nutrient absorption through distinct mechanisms. Finally, the fourth peptide is similar to glicentin, an active enteroglucagon.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	GHRH growth hormone releasing hormone [Homo sapiens]
Official Symbol	GHRH
Synonyms	GHRH; growth hormone releasing hormone; GHRF; somatoliberin; sermorelin; somatocrinin; somatorelin; growth hormone-releasing factor; growth hormone-releasing hormone; GRF; INN; MGC119781;
Gene ID	2691
mRNA Refseq	NM_001184731
Protein Refseq	NP_001171660
MIM	139190
UniProt ID	P01286
Chromosome Location	20q11.2
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	growth hormone-releasing hormone activity; growth hormone-releasing hormone receptor binding;