



## Ghrelin - Acylated (Ghrelin-28) Human

### Product Data Sheet

**Type:** Synthetic

**Species:** Human

**Other names:** M46, Appetite-regulating hormone, Growth hormone secretagogue, Growth hormone-releasing peptide, Motilin-related peptide, Protein M46, GHRL, MTLRP, UNQ524/PRO1066

**Cat. No.:**

RD172062100 (0.1 mg)

### Description

Total 29 AA. MW: 3370.9 Da (Mass Spectral Analysis)

### Introduction to the Molecule

Ghrelin, an endogenous ligand for the growth hormone secretagogue receptor, is synthesized principally in the stomach. It stimulates food intake and transduces signals to hypothalamic regulatory nuclei that controls energy homeostasis. The peptide consists of 28 amino acids, with a n-octanoylation of the serine-3 residue, which is necessary for the biological activity mentioned below. Ghrelin is present in the peripheral circulation under two forms: acylated and unacylated.

### Research topic

Energy metabolism and body weight regulation

### Amino Acid Sequence

Gly-Ser-Ser(n-octanoyl)-Phe-Leu-Ser-Pro-Glu-His-Gln-Arg-Val-Gln-Gln-Arg-Lys-Glu-Ser-Lys-Lys-Pro-Pro-Ala-Lys-Leu-Gln-Pro-Arg

### Purity

97.3% (RP-HPLC)

### Formulation

Lyophilized

### Reconstitution

Add deionized water to prepare a working stock solution of approximately 1.0 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

### Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

### Storage, Stability/Shelf Life

Store lyophilized peptide at -20°C. Lyophilized peptide remains stable until the expiry date when stored at -20°C. Reconstituted peptide can be stored at 4°C for a limited period of time.

### Quality Control Test

RP-HPLC

### Applications

Biologically active protein, ELISA, Western blotting

### Note

This product is intended for research use only.

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