

Ghrelin Human

Item Number	rAP-2578
Synonyms	Appetite-regulating hormone precursor, Growth hormone secretagogue, Growth hormone-releasing peptide, GHRP, Motilin-related peptide, M46 protein, Ghrelin, Obestatin, MTLRP.
Description	Ghrelin Human contains 28 amino acids and a total molecular mass of 3370.9 Dalton and a molecular formula of C ₁₄₉ H ₂₄₉ N ₄₇ O ₄₂ . The GHRL is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9UBU3
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-OH.
Source	
Physical Appearance and Stability	Sterile Filtered Yellowish lyophilized (freeze-dried) powder that may appear as a gel form. Store the lyophilized Ghrelin at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted GHRL can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	GHRL was lyophilized without additives. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	Add deionized water to a working concentration approximately 0.5mg/1ml and let the lyophilized pellet dissolve completely.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**