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GHRL Protein

Ghrelin Human
HRM0038

Product Overview

Name	GHRL Protein
Description	
Ghrelin Human	
Accession (Primary)	Q9UBU3
Synonyms	
Appetite-regulating hormone precursor, Growth hormone secretagogue, Growth hormone-releasing peptide, GHRP, Motilin-related peptide, M46 protein, Ghrelin, Obestatin, MTLRP.	
Introduction	
Obestatin is a hormone that is produced in the cells lining the stomach and small intestine of several mammals including humans; it drastically reduces appetite in mice and is expected to do the same in humans. Obestatin is a peptide hormone - a relatively small protein. It is encoded by the same gene that also encodes ghrelin, a peptide hormone that increases appetite. The protein produced by that gene breaks into two smaller peptides, ghrelin and obestatin. Ghrelin is an endogenous ligand for the growth hormone secretagogue receptor and is involved in regulating growth hormone release. Ghrelin is derived from a preprohormone called preproghrelin, which also generates a second peptide called obestatin. Ghrelin is an endogenous ligand for the orphan G protein-coupled receptor GPR39 and is involved in satiety and decreased food intake.	
Physical Appearance	
Sterile Filtered Yellowish lyophilized (freeze-dried) powder that may appear as a gel form.	
Formulation	
GHRL was lyophilized without additives.	
Stability	
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.	
Purity	
Greater than 97% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
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.

Solubility

Add deionized water to a working concentration approximately 0.5mg/1ml and let the lyophilized pellet dissolve completely.

Precautions

GHRL Protein is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UBU3)