
Product Data Sheet

Product Name: GHRL Human
 Cat. No.: GP21251
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Appetite-regulating hormone precursor; Growth hormone secretagogue; Growth hormone-releasing peptide; GHRP; Motilin-related peptide; M46 protein; Ghrelin; Obestatin; MTLRP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSFLSPEH QRVQQRKESK KPPAKLQPRA LAGWLRPEDG GQAEGAEDM EVRFNAPFDV GIKLSGVQYQ QHSQALGKFL QDILWEEAKE APADK.		
Formulation	The Ghrelin protein solution contains 20mM Tris-HCl, pH-8 & 10% glycerol.		

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 prohormone 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

Ghrelin Human Recombinant contains 115 amino acids (24-117 a.a.) and a total molecular mass of 12.8 kDa. The GHRL is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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