

Recombinant Human GHRL, His-tagged

Cat. No. GHRL-29023TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Ghrelin with His tag; amino acids 24-117 , 12.8kDa.
Species	Human
Source	E.coli
ProteinLength	24-117 a.a.
Description	<p>This gene encodes ghrelin-obestatin preproprotein, which generates ghrelin and obestatin. Ghrelin is an endogenous ligand for the growth hormone secretagogue receptor and is involved in regulating growth hormone release. Obestatin was initially reported to be an endogenous ligand for the orphan G protein-coupled receptor GPR39 and was involved in satiety and decreased food intake; however, these findings are controversial. Recent reports show that obestatin is involved in inhibiting thirst and anxiety, improving memory, regulating sleep, affecting cell proliferation, and increasing the secretion of pancreatic juice enzymes. Alternative promoters and alternative splicing result in multiple transcript variants, some of which encode different protein isoforms and some of which do not encode a protein but may regulate the ghrelin-obestatin preproprotein expression. In addition, antisense transcripts for this gene have been identified and may also function in regulation of the ghrelin-obestatin preproprotein expression.</p>
Conjugation	HIS
Tissue specificity	Highest level in stomach. All forms are found in serum as well. Other tissues

 Tel: 1-631-559-9269 1-516-512-3133

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compensate for the loss of ghrelin synthesis in the stomach following gastrectomy.

Form Liquid

Purity >90% by SDS-PAGE

Storage buffer Preservative: None
Constituents: 10% Glycerol, 20mM Tris HCl, pH 8.0

Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Sequence Similarities Belongs to the motilin family.

Full Length Full L.

GENE INFORMATION

Gene Name [GHRL ghrelin/obestatin prepropeptide \[Homo sapiens \]](#)

Official Symbol [GHRL](#)

Synonyms GHRL; ghrelin/obestatin prepropeptide; ghrelin, growth hormone secretagogue receptor ligand; appetite-regulating hormone; ghrelin; MTLRP; obestatin;

Gene ID [51738](#)

mRNA Refseq [NM_001134941](#)

Protein Refseq [NP_001128413](#)

MIM [605353](#)

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Uniprot ID	Q9UBU3
Chromosome Location	3p26-p25
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;
Function	G-protein coupled receptor binding; ghrelin receptor binding; ghrelin receptor binding; growth hormone-releasing hormone activity; growth hormone-releasing hormone activity;

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