

Recombinant Full Length Human GHRL Protein, GST-tagged

Cat. No. GHRL-5253HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human GHRL full-length ORF (AAH25791.1, 1 a.a. - 117 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 117 amino acids

Description 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. [provided by RefSeq]

Molecular Mass 38.61 kDa

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AA Sequence	MPSPGTVCSLLLLGMLWLDLAMAGSSFLSPEHQRVQQRKESKKPPAKLQPRALAG WLRPEDGGQAEGAEMEVRFNAPFDVGIKLSGVQYQQHSQALGKFLQDILWEEA KEAPADK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; motilin-related peptide; growth hormone secretagogue; ghrelin/obestatin preprohormone; growth hormone-releasing peptide;
Gene ID	51738
mRNA Refseq	NM_001134941
Protein Refseq	NP_001128413

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MIM	605353
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UniProt ID	Q9UBU3
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