Recombinant human Ghrelin/Obestatin protein

Catalog Number: ATGP0411

PRODUCT INFORMATION

Expression system
E.coli

Domain
24-117aa

UniProt No.
Q9UBU3

NCBI Accession No.
AAH25791

Alternative Names
Appetite-regulating hormone, Obestatin, GHRL, MTLRP, Ghrelin-27, Ghrelin-28, M-46 protein, Appetite-regulating hormone Appetite regulating hormone, Ghrelin 27, Ghrelin 28, Ghrelin/obestatin prepropeptide, Motilin related peptide, Growth hormone releasing peptide, Growth hormone secretagogue, M46 protein,

PRODUCT SPECIFICATION

Molecular Weight
12.8 kDa (115aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.2M NaCl, 0.1mM PMSF

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Ghrelin, also known as Obestatin, is the ligand for growth hormone secretagogue receptor type 1 (GHSR). It induces the release of growth hormone from the pituitary and involved in growth regulation. This protein has an

Recombinant human Ghrelin/Obestatin protein

Catalog Number: ATGP0411

appetite-stimulating effect, induces adiposity and stimulates gastric acid secretion. Ghrelin plays a significant role in neurotrophy, particularly in the hippocampus, and is essential for cognitive adaptation to changing environments and the process of learning. Recombinant Ghrelin protein was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

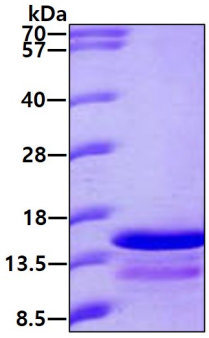
<MGSSHHHHHH SSGLVPRGSH> MGSSFLSPEH QRVQQRKESK KPPAKLQPRA LAGWLRPEDG GQAEGAEDEM EVRFNAPFDV GIKLSGVQYQ QHSQALGKFL QDILWEEAKE APADK

General References

Tschop M, et al. (2000) Nature. 407:908-913.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.