

Ghrelin, 24-117 aa, Human, His-tag, E.coli

Cat.NO.: TP02238

3th Edition

Synonyms:Appetite-regulating hormone, Obestatin, GHRL, MTLRP, Ghrelin-27, Ghrelin-28, M-46 protein

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 appetite-stimulating effect, induces adiposity and stimulates gastric acid secretion. Ghrelin plays a significant role in neurotrophs, particularly in the hippocampus, and is essential for cognitive adaptation to changing environments and the process of learning.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.2M NaCl, 0.1mM PMSF

Molecular Weight:12.8 kDa (115aa) (Real molecular weight on SDS-PAGE will be shift up)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSFLSPEHQRVQQRKESKKPPAKLQPRALAGWLRPEDGGQAEGAEDEMEV
RFNAPFDVGIKLSGVQYQQHSQALGKFLQDILWEEAKEAPADK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.