

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

**Cat.NO.: TP02238**

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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.