

Recombinant Mouse Ghrl protein, His & GST-tagged

Cat. No. Ghrl-5707M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ghrl aa. (Leu28~Lys117 (Accession # Q9EQX0)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu28~Lys117
Description	This gene encodes a preproprotein that undergoes proteolytic processing to yield two bioactive peptides, ghrelin and obestatin. The hormone ghrelin plays a role in enhancing appetite and has numerous other biological functions that include stimulating the secretion of growth hormone (somatotropin) from the anterior pituitary gland. Obestatin is thought to be a hormone that functions in decreasing appetite. Mice lacking the encoded protein develop normally and exhibit no gross anatomical abnormalities. This gene encodes distinct isoforms, some or all of which may undergo similar proteolytic processing.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Characteristic	The isoelectric point is 6.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Ghrl ghrelin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Ghrl
Synonyms	Ghrl; ghrelin; Ghr; m46; MTLRP; MTLRPAP; 2210006E23Rik; appetite-regulating hormone; growth hormone secretagogue; growth hormone-releasing peptide; motilin-related peptide; preproghrelin; proghrelin
Gene ID	58991
mRNA Refseq	NM_001286404.1
Protein Refseq	NP_001273333.1

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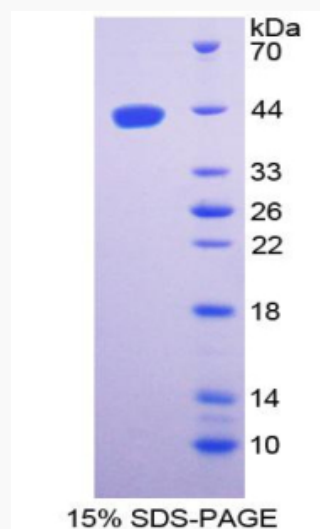
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UniProt ID

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SDS-PAGE



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