

Recombinant Human GHRL 293 Cell Lysate

Cat. No. GHRL-5941HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ghrelin/obestatin prepropeptide (GHRL), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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](#)

MIM [605353](#)

UniProt ID [Q9UBU3](#)

Chromosome Location 3p26-p25

Pathway Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Peptide ligand-binding receptors, organism-specific biosystem;

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Function

G-protein coupled receptor binding; ghrelin receptor binding; ghrelin receptor binding; growth hormone-releasing hormone activity; growth hormone-releasing hormone activity; growth hormone-releasing hormone activity; protein tyrosine kinase activator activity;

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