

Recombinant Human GCG 293 Cell Lysate

Cat. No. GCG-5990HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for glucagon (GCG) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name	GCG glucagon [Homo sapiens]
Official Symbol	GCG
Synonyms	GCG; glucagon; glicentin related polypeptide; GLP1; GLP2; glucagon like peptide 1; glucagon like peptide 2; GRPP; glucagon-like peptide 1; glucagon-like peptide 2; glicentin-related polypeptide;
Gene ID	2641
mRNA Refseq	NM_002054
Protein Refseq	NP_002045
MIM	138030
UniProt ID	P01275
Chromosome Location	2q36-q37
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;
Function	glucagon receptor binding; hormone activity; receptor binding;

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