

Recombinant Human GCGR 293 Cell Lysate

Cat. No. GCGR-5989HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	<p>Antigen standard for glucagon receptor (GCGR) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC211179, OriGene Technologies, Inc.) 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.</p>
Components	<p>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).</p>
Size	0.1 mg
Storage Instruction	<p>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.</p>
Applications	<p>E, IP, WB. 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</p>

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

GENE INFORMATION

Gene Name	GCGR glucagon receptor [Homo sapiens]
Official Symbol	GCGR
Synonyms	GCGR; glucagon receptor; GGR; GL-R; FLJ97182; MGC138246;
Gene ID	2642
mRNA Refseq	NM_000160
Protein Refseq	NP_000151
MIM	138033
UniProt ID	P47871
Chromosome Location	17q25
Pathway	Class B/2 (Secretin family receptors), 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; GPCR ligand binding, organism-specific biosystem; GPCRs, Class B Secretin-like, organism-specific biosystem; Glucagon signaling in metabolic regulation, organism-specific biosystem;
Function	glucagon receptor activity; guanyl-nucleotide exchange factor activity; peptide

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hormone binding; receptor activity; signal transducer activity;

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