

Recombinant Mouse Gcg Protein, Myc/DDK-tagged

Cat. No. Gcg-3173M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length glucagon (Gcg), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes glucagon, a pancreatic hormone that counteracts the action of insulin in the bloodstream. The encoded protein is processed to generate glucagon and two other glucagon-like peptides, GLP1 and GLP2. Glucagon stimulates gluconeogenesis, glycogenolysis and lipolysis. GLP1 induces secretion of insulin, suppresses glucagon secretion and inhibits feeding. GLP2 induces intestinal absorption of glucose by stimulating the growth of intestinal cells and preventing apoptosis.
Molecular Mass	20.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Gcg glucagon [*Mus musculus* (house mouse)]

Official Symbol Gcg

Synonyms Gcg; glucagon; P; GI; GLP; Glu; PPG; GLP-1; pro-glucagon; glucagon-like peptide I

Gene ID 14526

mRNA Refseq NM_008100

Protein Refseq NP_032126

UniProt ID P55095

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