

## GCG

### Synthetic Human Glucagon

<b>Catalog No.</b>	CRG112A	<b>Quantity:</b>	4 mg
	CRG112B		10 mg
	CRG112C		50 mg

**Alternate Names:** GLP1, GLP2, GRPP

**Description:** Glucagon is a pancreatic hormone that counteracts the glucose-lowering action of insulin by stimulating glycogenolysis and gluconeogenesis. Glucagon is a ligand for a specific G-protein linked receptor whose signalling pathway controls cell proliferation. Glucagon is processed from a preproprotein that is cleaved into four distinct mature peptides.

Synthetic Human Glucagon is a single, non-glycosylated, polypeptide chain containing 29 amino acids.

**GeneID:** 2641

**Source:** Synthetic

**Molecular Weight:** 3.483 kDa

**Formulation:** Lyophilized from a sterile filtered solution without additives.

**Purity:** > 98.0% as determined by RP-HPLC

**Amino Acid Sequence:** His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH

**Reconstitution:** Add sterile 1% HCl to the vial to fully solubilize the protein to a concentration of 0.1 - 1 mg/mL. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

**Storage & Stability:** Store lyophilized product desiccated at -20 °C. Upon reconstitution, store for one week 4 °C, for long term storage add protein (0.1% HSA or BSA) and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

