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GCG
Synthetic Human Glucagon

Catalog No.	CRG112A CRG112B CRG112C	**Quantity:**	4 mg 10 mg 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: > 96.0% 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 as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution prepare working aliquots for long term storage by adding carrier protein (0.1% HSA or BSA) and store at -20°C to -80°C. **Avoid repeated freeze-thaw cycles**.

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