

Glucagon Human Recombinant

Item Number	rAP-2532
Synonyms	GLP1, GLP2, GRPP.
Description	Glucagon Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 29 amino acids and having a molecular mass of 3483 Dalton. The Glucagon is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01275
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be His-Ser-Gln-Gly-Thr.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Glucagon although stable at room temperature for 3 weeks, should be stored at 40C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Formulation and Purity	Each mg of recombinant Glucagon was formulated with 100mg of lactose. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Glucagon sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity is determined by comparing, under certain conditions, the hyperglycemic effect it produces with that produced by the international standard or by reference preparation calibrated in IU and is found to be 1 IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**