

Human Glucagon Recombinant Protein



RPPB1277

Product Information Protein Information

Product SKU:

RPPB1277

Accession:

P01275

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

GLP1, GLP2, GRPP.

Formulation:

Each mg of recombinant Glucagon was formulated with 100mg of lactose.

Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Glucagon sterile 18MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

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).

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.

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.