

## Glucagon Human

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| Item Number                       | rAP-2533                                                                                                                                                                                                                                                                                                                                                                                  |
| Synonyms                          | GLP1, GLP2, GRPP.                                                                                                                                                                                                                                                                                                                                                                         |
| Description                       | Glucagon Human Synthetic is a single, non-glycosylated, polypeptide chain containing 29 amino acids and having a molecular mass of 3483 Dalton and the molecular formula is: C <sub>153</sub> H <sub>225</sub> N <sub>43</sub> O <sub>49</sub> S. The Glucagon is purified by proprietary chromatographic techniques.                                                                     |
| Uniprot Accession Number          | P01275                                                                                                                                                                                                                                                                                                                                                                                    |
| 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.                                                                                                                                                                                                                                                                   |
| Source                            |                                                                                                                                                                                                                                                                                                                                                                                           |
| Physical Appearance and Stability | Sterile Filtered White lyophilized (freeze-dried) powder. Glucagon although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Glucagon should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| Formulation and Purity            | Glucagon peptide was formulated with no additives. Greater than 98.0% as determined by RP-HPLC.                                                                                                                                                                                                                                                                                           |
| Application                       |                                                                                                                                                                                                                                                                                                                                                                                           |
| Solubility                        | It is recommended to reconstitute the lyophilized Glucagon in a sterile 1% HCl solution at a concentration of 0.1-1 mg/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                                                                  |
| Biological Activity               |                                                                                                                                                                                                                                                                                                                                                                                           |
| 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**