

Glucagon Human Recombinant, His Tag

Item Number	rAP-2534
Synonyms	Glucagon, GCG, GLP1, GLP2, GRPP.
Description	Glucagon Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 112 amino acids (90-180 a.a.) and having a molecular mass of 12.8kDa. Glucagon is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01275
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MKRHDEFERH AEGTFTSDVS SYLEGQAAKE FIAWLVKGRG RRD-FPEEVAI VEELGRRHAD GSFSDMNTI LDNLAARDFI NWLIQTKITD RK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	Glucagon protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 50% glycerol and 0.2M NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
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**