

Human Glucagon Like Peptide-1

Item Number	rAP-2530
Synonyms	GLP1, Glucagon Like Peptide-1, Incretin hormone.
Description	Glucagon Like Peptide-1 is a single, glycosylated, polypeptide chain containing 30 amino acids and having a molecular mass of 3297.7 Dalton. The GLP-1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01275
Amino Acid Sequence	H-His-Ala-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys-Glu-Phe-Ile-Ala-Trp-Leu-Val-Lys-Gly-Arg-NH ₂ .
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Glucagon Like Peptide-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GLP-1 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	The GLP-1 peptide was lyophilized with no additives. Greater than 96.0% as determined by RP-HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized Glucagon Like Peptide-1 in sterile 20mM AcOH at 1mg/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**