
Product Data Sheet

Product Name: ProInsulin Human

Cat. No.: GP26059

Batch No.: 1

Product Data

Purity >98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition atRoomtemp.

Synonyms Insulin, Insulin-Dependent Diabetes Mellitus 2, Preproinsulin, Proinsulin, MODY10, IDDM1, IDDM2, IDDM, ILPR, IRDN.

Amino Acid Sequence RREAEDLQVG QVELGGGPGA GSLQPLALEG SLQKR.

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

Formulation Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.

Introduction

Insulin decreases blood glucose concentration. Insulin increases cell permeability to monosaccharides, amino acids and fatty acids. Insulin accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.

Stability

Lyophilized ProInsulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution ProInsulin C-Peptide Analogue should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Background

ProInsulin C-Peptide Analogue Human Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 35 amino acid and having a molecular mass of approximately 3.6kDa. ProInsulin is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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