

## 32-6481: ProInsulin Human

**Alternative Name :** Insulin, Insulin-Dependent Diabetes Mellitus 2, Preproinsulin, Proinsulin, MODY10, IDDM1, IDDM2, IDDM, ILPR, IRDN.Â

### Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

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.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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

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

**Storage condition :** 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.

**Amino Acid :** RREAEDLQVG QVELGGGPGA GSLQPLALEG SLQKR.Â