

INS

Recombinant Human Insulin

Catalog No.	CRI505A	Quantity:	25 mg
	CRI505B		250 mg
	CRI505C		1 g

Alternate Names: IDDM2, ILPR, IRDN, MODY10, insulin, proinsulin.

Description: Recombinant Human Insulin is a two chain, non-glycosylated polypeptide chain containing 51 amino acids.

Gene ID: 3630

Source: *E. coli*

Molecular Weight: 5.8 kDa

Formulation: Lyophilized from a sterile filtered, concentrated (1 mg/ml) solution with no additives.

Purity: >98.0% as determined by RP-HPLC and SDS-PAGE analyses.

Biological Activity: 28 units/mg

Reconstitution: **Centrifuge vial prior to opening.** Add sterile 0.005 N HCl to the vial to fully solubilize the protein to a concentration not more than 1 mg/ml.

Storage & Stability: Lyophilized product is stable at room temperature for up to 3 weeks. On receipt store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein such as 0.1% HSA or BSA as a stabilizer. This depends upon the particular application employed. **Avoid repeated freeze-thaw cycles.**

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