

INS

Recombinant Human Insulin

Catalog No.	CRI505A CRI505B CRI505C	Quantity:	25mg 250 mg 1.0 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.		
UniProt ID:	P01308		
Gene ID:	3630		
Source:	<i>E. coli</i>		
Molecular Weight:	5.807 kDa		
Formulation:	Lyophilized from a concentrated sterile filtered (1 mg/mL) solution, without any additives.		
Purity:	> 98% as determined by RP-HPLC analysis.		
Endotoxin Level:	Less than 0.1 ng/μg (1 EU/μg) of recombinant human Insulin.		
Biological Activity:	28 U/mg		
Reconstitution:	Centrifuge vial prior to opening. Add sterile 0.005 N HCl to the vial to fully solubilize the protein to a concentration \leq 1 mg/mL.		
Storage & Stability:	On receipt store lyophilized protein at -20°C to -80°C for up to 1 year. Reconstituted protein is stable for 1 week at 2-8°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.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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