ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Insulin Human Recombinant

Item Number	rAP-2313
Synonyms	
Description	Insulin Human Recombinant produced in E.Coli is a two chain, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5807 Dalton. Insulin is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P01308
Amino Acid Sequence	
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Insulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Insulin 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 protein was lyophilized from a concentrated (1mg/ml) solution with no additives. Greater than 98.0% as determined by RP-HPLC analysis.
Application	
Solubility	It is recommended to reconstitute the lyophilized Insulin in sterile 0.005N HCl not more than 1 mg/ml.
Biological Activity	The Biological Activity was determined to be 28 units/mg.
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

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