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Insulin Human

Insulin Human Recombinant
GRF0189

Product Overview

Name	Insulin Human

Description

Insulin Human Recombinant

Accession (Primary)	P01308

Introduction

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

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

Stability

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.

Purity

Greater than 98.0% as determined by RP-HPLC analysis.

Biological Activity

The Biological Activity was determined to be 28 units/mg.

Solubility

It is recommended to reconstitute the lyophilized Insulin in sterile 0.005N HCl not more than 1 mg/ml.

References

Title: PI3K integrates the effects of insulin and leptin on large-conductance Ca2+-activated K+ channels in neuropeptide Y neurons of the hypothalamic arcuate nucleus Publication: American Journal of Physiology-Endocrinology and Metabolism 298.2 (2010): E193-E201. Link: Insulin prospec publication

Precautions

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Insulin Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01308)