



Tinzyme Co., Limited

Email: sales@tinzyme.com

Website: www.tinzyme.com

Tel: +86-755-86134126

WhatsApp/Facebook/Twitter: +86-189-22896756

Recombinant Human Insulin

Product Number:RP501

Shipping and Storage

Ice pack transportation. 2-8 °C, dark, moisture-proof, sealed and dry, valid for 24 months.

Description

Insulin is a double stranded (α , β) polypeptide hormone secreted by pancreatic beta cells. It is currently the only known protein hormone that can lower blood sugar levels. It not only regulates the cellular intake, utilization, and storage of glucose, amino acids, and fatty acids, but also promotes the synthesis of glycogen, fat, and protein. This product is a recombinant human insulin produced through gene recombination technology, which does not contain animal derived components and has the same structure and sequence as natural human insulin. It can be used as an auxiliary ingredient in cell culture media.

Specification	500mg,1g,10g,100g
CAS/MDL	11061-68-0/MFCD00131380
Source	E. coli
Appearance	White loose body or powder
Identification	The retention time and peptide profile of the main peak are consistent with the reference substance
Content determination	95.0-105.0%
Purity	$\geq 99.0\%$
Host cell protein	≤ 10 ng/mg
Endotoxin	< 10 EU/mg

Application

Can be used for animal cell culture

Protocol

Redissolved: Insoluble in neutral pH water, soluble in dilute acetic acid or dilute hydrochloric acid (pH 2-3). Dissolve before use, usually prepare a mother liquor of 1-2 mg/ml using hydrochloric acid solution (10m M). The mother liquor should be packaged and frozen at -20 °C according to a single usage dose to avoid repeated freeze-thaw cycles.

Note

This product is only used for scientific research, laboratory, and production purposes, and is not intended for clinical treatment. It should not be used on animals or humans.

For Research Use Only