

Recombinant Human Insulin

CATALOG #:	4772-5 4772-25
AMOUNT:	5 mg 25 mg
LOT #:	_____
SOURCE:	<i>E. coli</i>
PURITY:	≥ 98% as determined by SDS-PAGE and HPLC
ENDOTOXIN:	Less than 0.1 ng/mg of Insulin
PHYSICAL APPEARANCE:	Lyophilized powder

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5-10 mM HCl to a concentration of 1.0 mg/ml. The solution can then be diluted to other aqueous buffers.

STORAGE CONDITIONS:

Lyophilized Insulin should be stored desiccated below 0°C. Upon reconstitution rh Insulin should be stored at 4°C for 2-7 days. For long-term storage, it is recommended to add a carrier protein (0.1% HSA or BSA) and store aliquots at –20°C or –70°C. Avoid freeze-thaw cycles.

DESCRIPTION:

Recombinant Human Insulin produced in *E. coli* is a two chain, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5.81 kDa. Recombinant Insulin is purified by proprietary chromatographic techniques.

ACTIVITY:

The recombinant Insulin is fully biologically active when compared to World Health Organization (WHO) reference standard which is 28 units/mg.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Additional Apoptosis Kits & Reagents

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- Camp & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

Antibodies & Recombinant Proteins (many)