

Human Insulin Recombinant Protein



RPPB0692

Product Information Protein Information

Product SKU:

RPPB0692

Accession:

P01308

Host:

Escherichia Coli.

Protein description:

Insulin Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 109 amino acids (25-110 a.a) and having a molecular mass of 11.8kDa. Insulin is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Insulin, Insulin-Dependent Diabetes Mellitus 2, Preproinsulin, Proinsulin, MODY10, IDDM1, IDDM2, IDDM, ILPR, IRDN.

Formulation:

Insulin protein solution (0.5mg/ml) containing Phosphate-Buffered Saline (pH 7.4) and 10% Glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSFVNQHLC GSHLVEALYL VCGERGFYPTKTRREAEDL QVGQVELGGG PGAGSLQPLA LEGSLQKRGV VEQCCTSICS LYQLENYCN

Biological Activity:

Measured in a cell proliferation assay using MCF7 human breast cancer cell. The ED50 for this effect is less or equal to 4 ug/ml.