

Insulin Active Protein | INS active protein

Recombinant Human Insulin

CATALOG #
AAA10812

HOST
E Coli

PRODUCT SYNONYMS

Insulin; Recombinant Human Insulin; Insulin Human; Insulin Human Recombinant; INS active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by RP-HPLC analysis.
Form/Format	The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.
Sequence Length	110
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
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.
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for INS active protein	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. 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.
Product Categories/Family for INS active protein	Cytokines and Growth Factors; Growth Factors; Insulin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557671
NCBI GeneID	3630
NCBI Accession #	NP_000198.1
NCBI GenBank Nucleotide #	NM_000207.2
UniProt Accession #	P01308; Q5EEX2
NCBI Official Full Name	insulin preproprotein
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS

NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin; preproinsulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/insulin/10812>