

Insulin Active Protein | INS active protein

Insulin protein

CATALOG # AAA75422	HOST E. Coli.
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PRODUCT SYNONYMS

Insulin; Insulin protein; Insulin recombinant protein; INS active protein

PRODUCT SPECIFICATIONS

Host	E. Coli.
Purity/Purification	> 98% (by SDS-PAGE and RP-HPLC)
Form/Format	Sterile filtered lyophilized (freeze-dried) powder, from a concentration of 1mg/ml solution with no additives. Reconstitute in sterile 0.005N HCl not more than 1.0mg/ml.
Concentration	25mg per vial: lyophilized (varies by lot)
Sequence Length	110
Species	Human
Grade	Highly Pure
Bioactivity	28 IU/mg
Residues	Insulin Human Recombinant protein containing 51 amino acids.
Protein Type	Recombinant
Method of Purification	Insulin protein was purified by a proprietary chromatographic technique.
Biological Significance	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.
Preparation and Storage	Upon receipt, store at -20°C for best results. Stable at room temperature for 3 weeks. Should be stored at -20°C after reconstitution. For long term storage it is recommended to add a carrier protein such as 0.1% HSA or BSA. Avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for INS active protein	Purified recombinant Human Insulin protein
Product Categories/Family for INS active protein	Hormones & Steroids

NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
UniProt Accession #	P01308 ; Q5EEX2
Molecular Weight	5807 Da

NCBI Official Full Name	insulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin
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/75422>