

Insulin Active Protein | INS active protein

Insulin protein

CATALOG # AAA75245	HOST Human
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 99% pure
Form/Format	Lyophilized powder. Insulin is not soluble at neutral pH. It can be solubilized (1 - 10 mg/mL) in dilute acetic acid or dilute hydrochloric acid, pH 2-3.
Sequence Length	110
Protein Type	Recombinant
Biological Significance	Insulin is a hormone that is central to regulating carbohydrate and fat metabolism in the body. Insulin causes cells in the liver, muscle, and fat tissue to take up glucose from the blood, storing it as glycogen in the liver and muscles.
Bioactivity	28 I.U. per mg. 1 unit corresponds to the efficiency of 0.04167 mg international standard substance.
Expression System	E Coli
Preparation and Storage	Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated 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	21,537 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/human-active-protein/insulin/75245>