

Insulin Recombinant Protein | INS recombinant protein

Recombinant Insulin (INS)

CATALOG # AAA144516	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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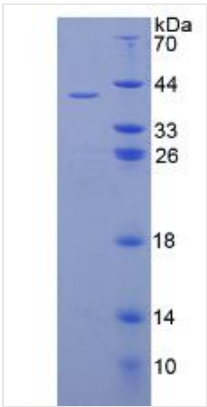
PRODUCT SYNONYMS

Insulin; Recombinant Insulin (INS); INS recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Applicable Applications for INS recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Phe25~Asn110
Tags	N-terminal His and GST Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	6.1
Predicted Molecular Mass	41.8kDa
Accurate Molecular Mass	41kDa as determined by SDS-PAGE reducing conditions.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

	FVNQHL	CGSHLVEALY	LVCGERGFFY
TPKTRREAED	LQVGQVELGG	GPGAGSLQPL	ALEGLQKRG
IVEQCCTSI	SLYQLENYCN		

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
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.