

## Recombinant Human INS protein

Cat. No. INS-321H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human INS protein(P01308)(Phe25-Lys53) and human insulin A chain (P01308)(Gly90-Asn110) was expressed with a linker AAK.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	Phe25-Lys53
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human Insulin consists of 63 amino acids and predicts a molecular mass of 7.1 KDa. It migrates as an approximately 6 KDa band in SDS-PAGE under reducing conditions.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



## GENE INFORMATION

<b>Gene Name</b>	INS insulin [ Homo sapiens ]
<b>Official Symbol</b>	INS
<b>Synonyms</b>	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
<b>Gene ID</b>	3630
<b>mRNA Refseq</b>	NM_000207
<b>Protein Refseq</b>	NP_000198
<b>UniProt ID</b>	P01308

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA