

Recombinant Human INS protein

Cat. No. INS-29H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INS protein(P01308)(55-89 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	55-89 aa
Form	Lyophilized from a 0.2 µ filtered solution in PBS, pH 7.4.
Molecular Mass	Approximately 3.6 kDa, a single non-glycosylated polypeptide chain containing 35 amino acids.
AASequence	RREAEDLQVG QVELGGGPGA GSLQPLALEG SLQKR
Endotoxin	Less than 0.1 EU/g of rHuProinsulin C-Peptide Analogue as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

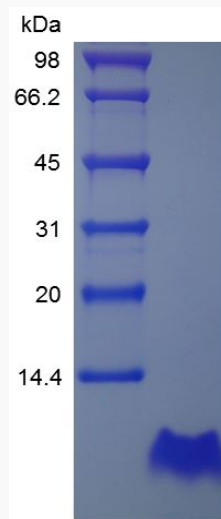
Gene Name	INS insulin [Homo sapiens]
Official Symbol	INS
Synonyms	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
Gene ID	3630
mRNA Refseq	NM_000207
Protein Refseq	NP_000198
UniProt ID	P01308

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SDS-PAGE



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