

Active Recombinant Human Insulin, Low Endotoxin, Media Grade

Cat. No. INS-14H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INS was a two chain, non-glycosylated polypeptide chain, and was expressed in E. coli.
Species	Human
Source	E.coli
Form	The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.
Bio-activity	≥ 27.5 U/mg
Molecular Mass	~5807.5 Da
AA Sequence	CAS: 11061-68-0
Endotoxin	< 10 EU/mg
Purity	≥ 99.0%
Host Cell Protein Residue	≤ 10 ng/mg (ELISA)
Storage	Store at 2-8°C, avoid light moisture-proof sealed dry, valid for 24 months.
Reconstitution	Insoluble in neutral pH water, soluble in dilute acetic acid or dilute hydrochloric acid

 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



(pH 2-3). Dissolve before use, and generally prepare 1-2 mg/ml mother liquor with hydrochloric acid solution (10 mM). The mother liquor is frozen at -20°C according to the single dose to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	INS insulin [Homo sapiens (human)]
Official Symbol	INS
Synonyms	INS; ILPR; IRDN; IDDM1; IDDM2; MODY10; insulin; proinsulin; preproinsulin; insulin-dependent diabetes mellitus 2
Gene ID	3630
mRNA Refseq	NM_000207
Protein Refseq	NP_000198
MIM	176730
UniProt ID	P01308

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