

Insulin Recombinant Protein

Recombinant Human Insulin

CATALOG #
AAA79341

PRODUCT SYNONYMS

Insulin; Recombinant Human Insulin; Insulin recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	≥95% by SDS-PAGE gel and HPLC analysis
Form/Format	Sterile filtered through a 0.2micron filter. Lyophilized without additives.
Sequence	GIVEQCCTSI CSLYQLENYC NFVNQHLCGS HLVEALYLVC GERGFFYTPK T
Biological Activity	>27.5 units/mg and A21 Desamido Human Insulin was determined to be <2.0%.
Endotoxin	<10 EU/mg
Protein Content	Verified by UV Spectroscopy and/or SDS-PAGE gel.
Biological Activity	The biological activity was determined to be >27.5 units/mg and A21 Desamido Human insulin was determined to be <2.0%.
Reconstitution	Reconstitute in a dilute acidic or alkali solution. For example, it can be reconstituted in 5-10mM HCl to a concentration of 1.0mg/mL. The solution can then be diluted to other aqueous buffers. After reconstitution, the recombinant insulin should be stored at 4°C. The working aliquots should be utilized within the week of generation. For long term storage it is recommended to add a carrier protein (0.1% BSA or HSA) and store at -20°C. Avoid freeze-thaw cycles.
Preparation and Storage	Store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for Insulin recombinant protein	Recombinant Human Insulin is commonly used in the growth of mammalian cell lines. The recombinant form is identical to the native human sequence in function and structure. Its molecular weight is ~5.8kDA.
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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/insulin-recombinant-protein/79341>