

## Recombinant Human Insulin

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### Product Description

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.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	Pichia Pastoris
<b>Purity</b>	≥95%
<b>Endotoxin</b>	<5.0 EU/μg
<b>Molecular Mass</b>	5.8 kDa
<b>Country of Origin</b>	USA

### Purity Confirmation

This was determined by SDS-PAGE gel and HPLC analysis.

### Activity Assay

The Biological Activity was determined to be >27.5 units/mg and A21 Desamido Human Insulin was determined to be <2.0%.

### AA Sequence

GIVEQCCTS	ICSLYQLEN	YCNFVNQHL
CGSHLVEAL	YLVCGERGF	FYTPKT

### Reconstitution Buffer

Reconstitute in solutions of dilute acids and alkalis. Do not vortex.

### Storage

For extended storage, it is recommended to further dilute and store in working aliquots at -20°C to -80°C.

### Limited Use and Restrictions

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