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Produktinformation



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

INS (Human) Recombinant protein

Catalog Number: P8857

Regulation Status: For research use only (RUO)

Product Description: Human INS (P01308, 25 a.a. - 110 a.a) partial recombinant protein with His tag at N-terminal expressed in *Escherichia Coli*.

Sequence: MGSSHHHHHH SSGLVPRGSH
MGSFVNQHLC GSHLVEALYL VCGERGFYYT
PKTRREAEDL QVGQVELGGG PGAGSLQPLA
LEGLSLQKRGV VEQCCTSICS LYQLENYCN

Host: *Escherichia coli*

Theoretical MW (kDa): 11.8

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Purity: > 95% by SDS-PAGE.

Activity: Measured in a cell proliferation assay using MCF7 human breast cancer cell. The ED₅₀ for this effect is less or equal to 4 ug/mL.

Storage Buffer: In PBS, pH 7.4 and 10% glycerol

Storage Instruction: Store at 4°C for 2~4 week. For long term storage store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3630

Gene Symbol: INS

Gene Alias: ILPR, IRDN

Gene Summary: After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two

chains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this mature form of insulin to the insulin receptor (INSR) stimulates glucose uptake. A variety of mutant alleles with changes in the coding region have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. [provided by RefSeq]