

**Insulin, human recombinant protein (Yeast)**

Human insulin, insulin, h-insulin, rh-insulin, recombinant human insulin, recombinant insulin, insul

Catalog # PBV10408r

**Specification**

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**Insulin, human recombinant protein (Yeast) - Product info**

Primary Accession

[P01308](#)

Calculated MW

5.8 kDa KDa

**Insulin, human recombinant protein (Yeast) - Additional Info**

Gene ID

3630

Gene Symbol

INS

**Other Names**

Insulin, INS

Gene Source

Human

Source

Yeast

Assay&Purity

SDS-PAGE; ≥98%

Assay2&Purity2

HPLC; ≥98%

Recombinant

Yes

**Application Notes**

It is recommended to reconstitute the lyophilized Insulin in PBS pH-7.5.

**Format**

Lyophilized protein

**Storage**

-20°C; Sterile filtered white lyophilized (freeze-dried) powder. The protein was lyophilized from 50mM Sodium Chloride solution.

**Insulin, human recombinant protein (Yeast) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Insulin, human recombinant protein (Yeast) - Images****Insulin, human recombinant protein (Yeast) - Background**

Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. Insulin Human Recombinant produced in Yeast is a two chain, glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5.807 kDa. Zinc content was found to be 0.4%. Insulin is purified by proprietary chromatographic techniques.