

# Product Datasheet

## Recombinant Human Insulin Protein NBP2-26530

Unit Size: 25 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-26530**

## Recombinant Human Insulin Protein

Product Information	
Unit Size	25 mg
Concentration	Lyoph
Storage	Store at -20C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute the lyophilized Insulin in sterile 0.005N HCl not more than 1 mg/ml.
Purity	>98%, by HPLC.
Buffer	Lyophilized from a concentrated solution with no additives.
Target Molecular Weight	5.8 kDa

Product Description	
Description	Recombinant biologically active INS protein. <b>Source:</b> <i>E. coli</i> .
Gene ID	3630
Gene Symbol	INS
Species	Human
Details of Functionality	The Biological Activity was determined to be 28 units/mg.
Notes	After reconstitution, store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Endotoxin Note	Less than 0.1 ng/ug (IEU/ug) of recombinant Insulin.

Product Application Details	
Applications	Bioactivity
Recommended Dilutions	Bioactivity

**Publications**

Parida PK, Marquez-Palencia M, Nair V et al. Metabolic diversity within breast cancer brain-tropic cells determines metastatic fitness Cell metabolism 2022-01-04 [PMID: 34986341]

Hashim M, Korupolu R, Syed B et al. Jejunal wall delivery of insulin via an ingestible capsule in anesthetized swine-A pharmacokinetic and pharmacodynamic study Pharmacol Res Perspect 2019-10-01 [PMID: 31584244]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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