

## Recombinant Feline Insulin (INS)

Cat. No.: AP2C137

Product Type: Animal Proteins

Size: 20 µg; 100 µg; 1 mg

### Product Overview

BioVenic's Recombinant Feline Insulin (INS) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 12.1 kDa. The purity is >85% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Feline
Expression System	<i>E.coli</i>
Purity	>85% (SDS-PAGE)
Predicted Molecular Weight	12.1 kDa
Physical State	Lyophilized
Formulation	Tris/PBS-based buffer, 6% Trehalose.

### Target Information

In felines, Insulin (INS) is a hormone produced by pancreatic  $\beta$ -cells, regulating blood glucose levels by promoting glucose uptake and utilization. Insulin is crucial for managing feline diabetes through subcutaneous injections. Common types include long-acting insulin (e.g., Glargine) and intermediate-acting insulin (e.g., Lente). Abnormal insulin secretion or action can lead to diabetes, a common endocrine disorder.

Protein	Feline Insulin (INS)
Protein Synonym	INS; Insulin
Gene ID	<a href="#">493804</a>
UniProt ID	<a href="#">P06306</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## **User Note**

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.