

# Recombinant Guinea pig Ins protein, His & SUMO-tagged

**Cat. No.** Ins-1783G    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Guinea pig Ins aa. (Phe25~Asn110) fused with N-terminal His & SUMO tag was produced in E. coli cells.                                                                                                                                                                                                                   |
| <b>Species</b>          | Guinea pig                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Phe25~Asn110                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 20kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at                                                                                                                                                                                                                                               |

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-80°C for 12 months.

|                          |                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Concentration</b>     | 200µg/mL                                                                                                |
| <b>Storage buffer</b>    | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300. |
| <b>Reconstitution</b>    | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.<br>Do not vortex.    |
| <b>Isoelectric Point</b> | 4.9                                                                                                     |

## GENE INFORMATION

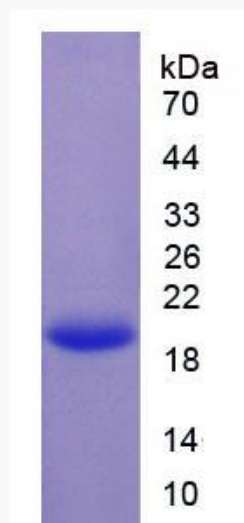
|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Ins insulin [ Cavia porcellus (domestic guinea pig) ]</a> |
| <b>Official Symbol</b> | <a href="#">Ins</a>                                                   |
| <b>Synonyms</b>        | Ins; insulin; preproinsulin                                           |
| <b>Gene ID</b>         | <a href="#">100379579</a>                                             |
| <b>mRNA Refseq</b>     | <a href="#">NM_001172891.1</a>                                        |
| <b>Protein Refseq</b>  | <a href="#">NP_001166362.1</a>                                        |
| <b>UniProt ID</b>      | <a href="#">P01329</a>                                                |

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## SDS-PAGE



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