

Recombinant Guinea pig Ins protein, His & SUMO-tagged

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

SPECIFICATION

Product Overview	Recombinant Guinea pig Ins aa. (Phe25~Asn110) fused with N-terminal His & SUMO tag was produced in E. coli cells.
Species	Guinea pig
Source	E.coli
ProteinLength	Phe25~Asn110
Form	Freeze-dried powder
Molecular Mass	20kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at

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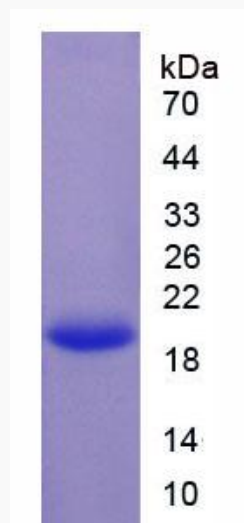
	-80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	4.9
GENE INFORMATION	
Gene Name	Ins insulin [Cavia porcellus (domestic guinea pig)]
Official Symbol	Ins
Synonyms	Ins; insulin; preproinsulin
Gene ID	100379579
mRNA Refseq	NM_001172891.1
Protein Refseq	NP_001166362.1
UniProt ID	P01329

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SDS-PAGE



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