

Recombinant Mouse Insr protein, His-tagged

Cat. No. Insr-7895M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Insr aa. (Leu1101~Ser1372 (Accession # P15208)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu1101~Ser1372
Description	This gene encodes a member of the receptor tyrosine kinase family of transmembrane signaling proteins that play important roles in cell differentiation, growth and metabolism. The encoded preproprotein undergoes proteolytic processing to generate alpha and beta chains that form a disulfide-linked heterodimer which, in turn homodimerizes to form a mature, functional receptor. Mice lacking the encoded protein develop severe hyperglycemia and hyperketonemia, and die within a couple of days after birth as a result of diabetic ketoacidosis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.5.
Applications	SDS-PAGE; WB; ELISA; IP
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 -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Insr insulin receptor [Mus musculus (house mouse)]
Official Symbol	Insr
Synonyms	IR; IR-A; IR-B; CD220; 4932439J01Rik; D630014A15Rik; insulin receptor
Gene ID	16337
mRNA Refseq	NM_001330056.1
Protein Refseq	NP_001316985.1
UniProt ID	P15208

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