

Recombinant Mouse Insr protein, His-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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

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|------------------------|---|
| 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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