

Resource Summary Report

Generated by [T1D](#) on Sep 19, 2026

[Insr^{tm1Khn}/Insr^{tm1Khn}; Speer6-ps1^{Tg\(Alb-cre\)21Mgn}/Speer6-ps1⁺](#)

RRID:MGI:3039262

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3039262

Description: Allele Detail: Targeted, Transgenic This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted, Transgenic This is a legacy resource.

Phenotype: enlarged gallbladder, impaired glucose tolerance, abnormal hepatocyte morphology, increased circulating alkaline phosphatase level, increased circulating aspartate transaminase level, small liver, abnormal liver morphology, increased mitochondria size, insulin resistance, decreased circulating free fatty acid level, increased insulin secretion, abnormal liver physiology, postnatal growth retardation, abnormal glucose homeostasis, abnormal insulin clearance, abnormal lipid homeostasis, abnormal circulating serum albumin level, increased pancreatic beta cell mass, hyperglycemia, increased circulating insulin level, decreased circulating triglyceride level, increased pancreatic beta cell mass, increased bile salt level, pancreatic islet hyperplasia

Affected Gene: Speer6-ps1, Insr

Genomic Alteration: tm1Khn, Tg(Alb-cre)21Mgn

Catalog Number: 3039262

Background: involves: 129S4/SvJae * C57BL/6J * DBA/2 * FVB

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:10949030](#), [PMID:15372107](#)

Organism Name: $\text{Insr}^{\text{tm1Khn}}/\text{Insr}^{\text{tm1Khn}}; \text{Speer6-ps1}^{\text{Tg(Alb-cre)21Mgn}}/\text{Speer6-ps1}^+$

Record Creation Time: 20240120T190705+0000

Record Last Update: 20240130T202042+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Insr}^{\text{tm1Khn}}/\text{Insr}^{\text{tm1Khn}}; \text{Speer6-ps1}^{\text{Tg(Alb-cre)21Mgn}}/\text{Speer6-ps1}^+$.

No alerts have been found for $\text{Insr}^{\text{tm1Khn}}/\text{Insr}^{\text{tm1Khn}}; \text{Speer6-ps1}^{\text{Tg(Alb-cre)21Mgn}}/\text{Speer6-ps1}^+$.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We have not found any literature mentions for this resource.