

# Resource Summary Report

Generated by [T1D](#) on Sep 18, 2026

[Speer6-ps1](#)[Tg\(Alb-cre\)21Mgn](#)/[Speer6-ps1<sup>+</sup>](#); [Gck<sup>tm1Hrt</sup>](#)/[Gck<sup>+</sup>](#)

RRID:MGI:3618231

Type: Organism

## Proper Citation

RRID:MGI:3618231

## Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3618231

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

**Species:** Mus musculus

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

**Phenotype:** abnormal mitochondrial crista morphology, impaired glucose tolerance, increased circulating glucose level, prolonged PR interval, cardiac fibrosis, increased fasting circulating glucose level, increased mitochondria number, impaired glucose tolerance, prolonged QRS complex duration, insulin resistance, abnormal pancreatic beta cell physiology, abnormal heart echocardiography feature

**Affected Gene:** Speer6-ps1, Gck

**Genomic Alteration:** Tg(Alb-cre)21Mgn, tm1Hrt

**Catalog Number:** 3618231

**Background:** involves: C57BL/6 \* DBA

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:24447392](#), [PMID:15569412](#)

**Organism Name:** Speer6-ps1<sup>Tg(Alb-cre)21Mgn/Speer6-ps1<sup>+</sup>; Gck<sup>tm1Hrt/Gck<sup>+</sup></sup></sup>

**Record Creation Time:** 20240120T190606+0000

**Record Last Update:** 20240130T202008+0000

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## Ratings and Alerts

No rating or validation information has been found for Speer6-ps1<sup>Tg(Alb-cre)21Mgn/Speer6-ps1<sup>+</sup>; Gck<sup>tm1Hrt/Gck<sup>+</sup></sup></sup>.

No alerts have been found for Speer6-ps1<sup>Tg(Alb-cre)21Mgn/Speer6-ps1<sup>+</sup>; Gck<sup>tm1Hrt/Gck<sup>+</sup></sup></sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.