

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

[Speer6-ps1](#)[Tg\(Alb-cre\)21Mgn](#)/[Speer6-ps1⁺](#); [Gck](#)^{tm1Hrt}/[Gck⁺](#)

RRID:MGI:3618231

Type: Organism

Proper Citation

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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^{Tg(Alb-cre)21Mgn/Speer6-ps1⁺; Gck^{tm1Hrt/Gck⁺}}

Record Creation Time: 20240120T190606+0000

Record Last Update: 20240130T202008+0000

Ratings and Alerts

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

No alerts have been found for Speer6-ps1^{Tg(Alb-cre)21Mgn/Speer6-ps1⁺; Gck^{tm1Hrt/Gck⁺}}.

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.