

Resource Summary Report

Generated by [dkNET](#) on Sep 5, 2026

[Ins2^{Akita}/Ins2⁺; Rag1^{tm1Mom}/Rag1^{tm1Mom}; Prf1^{tm1Sdz}/Prf1^{tm1Sdz}](#)

RRID:MGI:3817777

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3817777

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

Species: Mus musculus

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

Phenotype: increased macrophage cell number, abnormal glucose homeostasis, increased erythrocyte cell number, hyperglycemia, increased monocyte cell number, absent T cells, increased granulocyte number, absent mature B cells, abnormal pancreatic islet morphology, homeostasis/metabolism phenotype

Affected Gene: Prf1, Rag1, Ins2

Genomic Alteration: tm1Sdz, tm1Mom, Akita

Catalog Number: 3817777

Background: NOD.Cg-Rag1 Ins2 Prf1

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18563383](#)

Organism Name: Ins2^{Akita}/Ins2⁺; Rag1^{tm1Mom}/Rag1^{tm1Mom}; Prf1^{tm1Sdz}/Prf1^{tm1Sdz}

Record Creation Time: 20240120T190408+0000

Record Last Update: 20240130T201952+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Ins2}^{\text{Akita}}/\text{Ins2}^+$; $\text{Rag1}^{\text{tm1Mom}}/\text{Rag1}^{\text{tm1Mom}}$; $\text{Prf1}^{\text{tm1Sdz}}/\text{Prf1}^{\text{tm1Sdz}}$.

No alerts have been found for $\text{Ins2}^{\text{Akita}}/\text{Ins2}^+$; $\text{Rag1}^{\text{tm1Mom}}/\text{Rag1}^{\text{tm1Mom}}$; $\text{Prf1}^{\text{tm1Sdz}}/\text{Prf1}^{\text{tm1Sdz}}$.

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.