

Resource Summary Report

Generated by [NIF](#) on Aug 1, 2026

[Gnas^{tm1Kel}/Gnas⁺](#)

RRID:MGI:3050835

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:3050835

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

Species: Mus musculus

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

Phenotype: decreased white adipose tissue amount, hypoactivity, slow postnatal weight gain, abnormal suckling behavior, decreased interscapular fat pad weight, decreased brown adipose tissue amount, postnatal lethality, complete penetrance, weakness, decreased circulating glucagon level, abnormal imprinting, decreased circulating glucose level, decreased circulating insulin level

Affected Gene: Gnas

Genomic Alteration: tm1Kel

Catalog Number: 3050835

Background: involves: 129S2/SvPas * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15273686](#)

Organism Name: Gnas^{tm1Kel}/Gnas⁺

Record Creation Time: 20240120T190653+0000

Record Last Update: 20240130T202035+0000

Ratings and Alerts

No rating or validation information has been found for $\text{Gnas}^{\text{tm1Kel}}/\text{Gnas}^+$.

No alerts have been found for $\text{Gnas}^{\text{tm1Kel}}/\text{Gnas}^+$.

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.