

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

[Gnas^{tm4Lsw}/Gnas⁺](#)

RRID:MGI:3583677

Type: Organism

Proper Citation

RRID:MGI:3583677

Organism Information

URL:

Proper Citation: RRID:MGI:3583677

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

Species: Mus musculus

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

Phenotype: increased brown adipose tissue amount, abnormal glucose homeostasis, increased circulating leptin level, increased circulating glucose level, increased total body fat amount, increased circulating triglyceride level, increased interscapular fat pad weight, impaired glucose tolerance, decreased oxygen consumption, insulin resistance, abnormal adipose tissue morphology, increased white adipose tissue amount, postnatal lethality, incomplete penetrance, paternal imprinting, obese, edema, increased circulating insulin level

Affected Gene: Gnas

Genomic Alteration: tm4Lsw

Catalog Number: 3583677

Background: involves: 129S6/SvEvTac * Black Swiss * CD-1

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:15883378](#)

Organism Name: Gnas^{tm4Lsw}/Gnas⁺

Record Creation Time: 20240120T190625+0000

Record Last Update: 20240130T202020+0000

Ratings and Alerts

No rating or validation information has been found for Gnas^{tm4Lsw}/Gnas⁺.

No alerts have been found for Gnas^{tm4Lsw}/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.