

# Resource Summary Report

Generated by [Kravitz](#) on Sep 15, 2026

## [Gnas<sup>tm4Lsw</sup>/Gnas<sup>+</sup>](#)

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<sup>tm4Lsw</sup>/Gnas<sup>+</sup>

**Record Creation Time:** 20240120T190625+0000

**Record Last Update:** 20240130T202020+0000

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## Ratings and Alerts

No rating or validation information has been found for Gnas<sup>tm4Lsw</sup>/Gnas<sup>+</sup>.

No alerts have been found for Gnas<sup>tm4Lsw</sup>/Gnas<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.