

# Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

## [Mgat4a<sup>tm1.1Jxm</sup>/Mgat4a<sup>tm1.1Jxm</sup>](#)

RRID:MGI:3701357

Type: Organism

### Proper Citation

RRID:MGI:3701357

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3701357

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

**Species:** Mus musculus

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

**Phenotype:** increased circulating free fatty acid level, decreased circulating insulin level, increased circulating triglyceride level, increased susceptibility to weight gain, impaired glucose tolerance, decreased cellular glucose uptake, increased circulating glucose level, insulin resistance, abnormal blood homeostasis, hyperglycemia, hepatic steatosis, abnormal circulating insulin level

**Affected Gene:** Mgat4a

**Genomic Alteration:** tm1.1Jxm

**Catalog Number:** 3701357

**Background:** B6.Cg-Mgat4a

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:16377570](#)

**Organism Name:** Mgat4a<sup>tm1.1Jxm</sup>/Mgat4a<sup>tm1.1Jxm</sup>

**Record Creation Time:** 20240120T190528+0000

**Record Last Update:** 20240130T201946+0000

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## Ratings and Alerts

No rating or validation information has been found for  $\text{Mgat4a}^{\text{tm1.1Jxm}}/\text{Mgat4a}^{\text{tm1.1Jxm}}$ .

No alerts have been found for  $\text{Mgat4a}^{\text{tm1.1Jxm}}/\text{Mgat4a}^{\text{tm1.1Jxm}}$ .

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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.