

# Resource Summary Report

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

## [Lclat1<sup>tm1Yugs</sup>/Lclat1<sup>tm1Yugs</sup>](#)

RRID:MGI:4836750

Type: Organism

### Proper Citation

RRID:MGI:4836750

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:4836750

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

**Species:** Mus musculus

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

**Phenotype:** decreased circulating insulin level, decreased circulating glucose level, decreased white fat cell lipid droplet size, abnormal lipid homeostasis, polydipsia, polyphagia, increased fatty acid oxidation, decreased brown adipose tissue mass, increased respiratory quotient, decreased susceptibility to diet-induced obesity, increased oxygen consumption, abnormal mitochondrial ATP synthesis coupled electron transport, increased insulin sensitivity, increased energy expenditure, hyperactivity, decreased white adipose tissue mass, decreased brown fat cell lipid droplet size

**Affected Gene:** Lclat1

**Genomic Alteration:** tm1Yugs

**Catalog Number:** 4836750

**Background:** B6.Cg-Lclat1

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

**Database Abbreviation:** MGI

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

**Source References:** [PMID:20674860](#)

**Organism Name:** Lclat1<sup>tm1Yugs</sup>/Lclat1<sup>tm1Yugs</sup>

**Record Creation Time:** 20240120T190243+0000

**Record Last Update:** 20240130T201813+0000

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## Ratings and Alerts

No rating or validation information has been found for Lclat1<sup>tm1Yugs</sup>/Lclat1<sup>tm1Yugs</sup>.

No alerts have been found for Lclat1<sup>tm1Yugs</sup>/Lclat1<sup>tm1Yugs</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.