

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

[Lclat1^{tm1Yugs}/Lclat1^{tm1Yugs}](#)

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^{tm1Yugs}/Lclat1^{tm1Yugs}

Record Creation Time: 20240120T190243+0000

Record Last Update: 20240130T201813+0000

Ratings and Alerts

No rating or validation information has been found for Lclat1^{tm1Yugs}/Lclat1^{tm1Yugs}.

No alerts have been found for Lclat1^{tm1Yugs}/Lclat1^{tm1Yugs}.

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.