

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

[Plin1^{tm1Chan}](#)/[Plin1^{tm1Chan}](#)

RRID:MGI:3839677

Type: Organism

Proper Citation

RRID:MGI:3839677

Organism Information

URL:

Proper Citation: RRID:MGI:3839677

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

Species: Mus musculus

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

Phenotype: abnormal circulating free fatty acids level, decreased subcutaneous adipose tissue amount, decreased interscapular fat pad weight, decreased epididymal fat pad weight, decreased circulating leptin level, decreased brown fat cell lipid droplet size, decreased total body fat amount, abnormal glycerol level, abnormal circulating ketone body level, impaired adaptive thermogenesis, increased gastrocnemius weight, abnormal blood homeostasis, decreased susceptibility to diet-induced obesity, increased oxygen consumption, increased lean body mass, increased food intake, enhanced lipolysis, decreased white fat cell size, decreased total fat pad weight

Affected Gene: Plin1

Genomic Alteration: tm1Chan

Catalog Number: 3839677

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11101849](#)

Organism Name: Plin1^{tm1Chan}/Plin1^{tm1Chan}

Record Creation Time: 20240120T190347+0000

Record Last Update: 20240130T201850+0000

Ratings and Alerts

No rating or validation information has been found for Plin1^{tm1Chan}/Plin1^{tm1Chan}.

No alerts have been found for Plin1^{tm1Chan}/Plin1^{tm1Chan}.

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.