

Resource Summary Report

Generated by [NIF](#) on Aug 17, 2026

[Pnpla2^{tm1Rze}](#)/[Pnpla2^{tm1Rze}](#)

RRID:MGI:5007483

Type: Organism

Proper Citation

RRID:MGI:5007483

Organism Information

URL:

Proper Citation: RRID:MGI:5007483

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

Species: Mus musculus

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

Phenotype: decreased circulating triglyceride level, abnormal respiratory quotient, cardiac hypertrophy, abnormal mitochondrion morphology, integument phenotype, abnormal myocardial fiber morphology, abnormal heart ventricle morphology, abnormal myocardial fiber physiology, decreased circulating free fatty acid level, decreased oxygen consumption, decreased ventricle muscle contractility, increased brown adipose tissue amount, increased fatty acid level, increased cardiac muscle glycogen level, increased heart rate, increased left ventricle weight, increased liver triglyceride level, increased respiratory quotient, thick interventricular septum, abnormal metabolism, increased triglyceride level, increased white adipose tissue amount, premature death, abnormal cardiovascular system morphology, abnormal enzyme/coenzyme activity, abnormal lipid homeostasis, impaired lipolysis, increased liver triglyceride level, increased triglyceride level

Affected Gene: Pnpla2

Genomic Alteration: tm1Rze

Catalog Number: 5007483

Background: involves: 129P2/OlaHsd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:21857651](#), [PMID:20023287](#)

Organism Name: Pnpla2^{tm1Rze}/Pnpla2^{tm1Rze}

Record Creation Time: 20240120T190221+0000

Record Last Update: 20240130T201802+0000

Ratings and Alerts

No rating or validation information has been found for Pnpla2^{tm1Rze}/Pnpla2^{tm1Rze}.

No alerts have been found for Pnpla2^{tm1Rze}/Pnpla2^{tm1Rze}.

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.