

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 21, 2026

[Lpin1^{fld}/Lpin1^{fld}](#)

RRID:MGI:3710405

Type: Organism

Proper Citation

RRID:MGI:3710405

Organism Information

URL:

Proper Citation: RRID:MGI:3710405

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

Species: *Mus musculus*

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

Phenotype: increased circulating HDL cholesterol level, impaired limb coordination, retarded hair growth, abnormal motor coordination/balance, decreased survivor rate, lethality at weaning, incomplete penetrance, male infertility, pale liver, postnatal lethality, incomplete penetrance, premature death, increased liver triglyceride level, increased circulating VLDL triglyceride level, abnormal fat cell morphology, ruffled hair, tremors, increased triglyceride level, abnormal lipid level, abnormal PNS glial cell morphology, abnormal axon morphology, increased cholesterol level, decreased brown fat cell lipid droplet size, decreased white fat cell lipid droplet size, decreased circulating leptin level, limb grasping, decreased brown adipose tissue mass, decreased white adipose tissue mass, distended abdomen, disheveled coat, delayed female fertility, decreased triglyceride level, axon degeneration, abnormal sciatic nerve morphology, abnormal phospholipid level, abnormal myelin sheath morphology, decreased triglyceride lipase activity, decreased lipoprotein lipase activity, abnormal lipid homeostasis, abnormal hair growth, abnormal triglyceride level, abnormal gait, abnormal enzyme/coenzyme activity, abnormal cholesterol homeostasis, abnormal Schwann cell morphology, increased circulating triglyceride level, increased liver triglyceride level, enlarged liver, female infertility, increased fatty acid level, decreased epididymal fat pad weight, insulin resistance, abnormal brown adipose tissue physiology, abnormal aorta morphology, abnormal brown adipose tissue morphology, decreased hormone-sensitive lipase activity, decreased inguinal fat pad weight, abnormal white adipose tissue physiology, decreased body weight, decreased brown adipose tissue mass, decreased interscapular fat pad weight, abnormal epididymal fat pad morphology, increased circulating insulin level,

decreased circulating LDL cholesterol level, decreased circulating VLDL cholesterol level, abnormal fat cell morphology, decreased insulin secretion, decreased lean body mass, decreased white adipose tissue mass, enlarged liver, impaired glucose tolerance, decreased fatty acid level

Affected Gene: Lpin1

Genomic Alteration: fld

Catalog Number: 3710405

Background: BALB/cByJ-Lpin1

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:11138012](#), [PMID:2722772](#), [PMID:2050689](#), [PMID:10884287](#), [PMID:18669885](#)

Organism Name: Lpin1^{fld}/Lpin1^{fld}

Record Creation Time: 20240120T190523+0000

Record Last Update: 20240130T201943+0000

Ratings and Alerts

No rating or validation information has been found for Lpin1^{fld}/Lpin1^{fld}.

No alerts have been found for Lpin1^{fld}/Lpin1^{fld}.

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.