

Resource Summary Report

Generated by [NIF](#) on Sep 22, 2026

[Cav1^{tm1Mls}/Cav1^{tm1Mls}](#)

RRID:MGI:2669401

Type: Organism

Proper Citation

RRID:MGI:2669401

Organism Information

URL:

Proper Citation: RRID:MGI:2669401

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

Species: *Mus musculus*

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

Phenotype: absent caveolae, abnormal vesicle-mediated transport, absent caveolae, abnormal long bone metaphysis morphology, abnormal osteoclast morphology, increased bone strength, increased trabecular bone thickness, abnormal myocardial fiber morphology, premature bone ossification, increased bone trabecula number, heart left ventricle hypertrophy, abnormal compact bone morphology, abnormal bone trabecula morphology, increased compact bone area, decreased susceptibility to endotoxin shock, abnormal neutrophil physiology, abnormal nitric oxide homeostasis, abnormal bone mineralization, mammary gland duct hyperplasia, mammary gland hyperplasia, abnormal pulmonary alveolar parenchyma morphology, thick pulmonary interalveolar septum, abnormal vasoconstriction, abnormal mammary gland epithelium morphology, abnormal pulmonary endothelial cell surface, neoplasm, impaired exercise endurance, abnormal vasodilation, thick interventricular septum, decreased susceptibility to diet-induced obesity, abnormal lipid homeostasis, absent subcutaneous adipose tissue, increased brown adipose tissue amount, decreased white adipose tissue amount, decreased subcutaneous adipose tissue amount, decreased circulating leptin level, decreased body weight, decreased white fat cell lipid droplet size, thick ventricular wall, cardiac fibrosis, decreased total body fat amount, absent caveolae, increased food intake, abnormal mammary gland morphology, increased circulating triglyceride level, increased circulating VLDL triglyceride level, abnormal mammary gland duct morphology, abnormal mammary fat pad morphology, liver/biliary system phenotype, abnormal blood homeostasis, abnormal circulating free fatty acids level, abnormal fat cell morphology, abnormal gonadal fat pad morphology, thick pulmonary interalveolar septum, slow postnatal weight gain, cardiac

hypertrophy, homeostasis/metabolism phenotype, decreased cardiac muscle contractility, pulmonary hypertension, pulmonary hyperemia, congestive heart failure, dilated heart right ventricle, increased circulating interleukin-6 level, increased circulating interferon-gamma level, increased susceptibility to bacterial infection induced morbidity/mortality, increased circulating tumor necrosis factor level, increased cerebral infarction size, abnormal homeostasis, absent caveolae, lung inflammation, premature death, abnormal myocardium layer morphology, impaired neutrophil recruitment, abnormal macrophage physiology, abnormal cytokine level, abnormal chemokine level, increased incidence of tumors by chemical induction, epidermal hyperplasia, increased susceptibility to bacterial infection, abnormal long bone epiphysis morphology, abnormal skeletal muscle fiber morphology

Affected Gene: Cav1

Genomic Alteration: tm1Mls

Catalog Number: 2669401

Background: involves: 129/Sv * C57BL/6 * SJL

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:16982927](#), [PMID:17200204](#), [PMID:17550335](#), [PMID:16982844](#), [PMID:14690422](#), [PMID:17293479](#), [PMID:11689550](#), [PMID:12759258](#), [PMID:11457855](#), [PMID:11739396](#), [PMID:16501011](#), [PMID:12368209](#)

Organism Name: Cav1^{tm1Mls}/Cav1^{tm1Mls}

Record Creation Time: 20240120T190731+0000

Record Last Update: 20240130T202057+0000

Ratings and Alerts

No rating or validation information has been found for Cav1^{tm1Mls}/Cav1^{tm1Mls}.

No alerts have been found for Cav1^{tm1Mls}/Cav1^{tm1Mls}.

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.