Resource Summary Report

Generated by NIF on Aug 19, 2026

Mc4r^{tm1Lowl}/Mc4r^{tm1Lowl}

RRID:MGI:3692534
Type: Organism

Proper Citation

RRID:MGI:3692534

Organism Information

URL:

Proper Citation: RRID:MGI:3692534

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

Species: Mus musculus

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

Phenotype: increased body length, increased circulating insulin level, increased hepatocellular carcinoma incidence, liver fibrosis, increased circulating leptin level, increased circulating interleukin-6 level, increased liver weight, increased liver triglyceride level, increased circulating free fatty acid level, increased circulating alanine transaminase level, obese, liver inflammation, obese, hepatic steatosis, increased susceptibility to weight gain, obese, increased total body fat amount, polyphagia, increased susceptibility to diet-induced obesity, decreased adiponectin level, adipose tissue inflammation, abnormal food intake, abnormal oxygen consumption, decreased oxygen consumption

Affected Gene: Mc4r

Genomic Alteration: tm1Lowl

Catalog Number: 3692534

Background: involves: 129S4/SvJae * C57BL/6J

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: PMID:21906580, PMID:16269339, PMID:23869016

Organism Name: Mc4r^{tm1Lowl}/Mc4r^{tm1Lowl}

Record Creation Time: 20240120T190538+0000

Record Last Update: 20240130T201952+0000

Ratings and Alerts

No rating or validation information has been found for Mc4r^{tm1Lowl}/Mc4r^{tm1Lowl}.

No alerts have been found for Mc4r^{tm1Lowl}/Mc4r^{tm1Lowl}.

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.