

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

[Mc4r^{tm1Dhu}/Mc4r^{tm1Dhu}](#)

RRID:MGI:3579026

Type: Organism

Proper Citation

RRID:MGI:3579026

Organism Information

URL:

Proper Citation: RRID:MGI:3579026

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

Species: Mus musculus

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

Phenotype: abnormal locomotor activation, increased body weight, abnormal food intake, reduced fertility, abnormal circadian behavior phase, increased bone mass, decreased osteoclast cell number, polyphagia, hyperglycemia, increased circulating insulin level, increased circulating leptin level, increased body weight, increased body size, abnormal glucose homeostasis, polyphagia, increased susceptibility to diet-induced obesity

Affected Gene: Mc4r

Genomic Alteration: tm1Dhu

Catalog Number: 3579026

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:11369941](#), [PMID:10971147](#), [PMID:9019399](#), [PMID:15596147](#), [PMID:15724149](#)

Organism Name: Mc4r^{tm1Dhu}/Mc4r^{tm1Dhu}

Record Creation Time: 20240120T190632+0000

Record Last Update: 20240130T202023+0000

Ratings and Alerts

No rating or validation information has been found for Mc4r^{tm1Dhu}/Mc4r^{tm1Dhu}.

No alerts have been found for Mc4r^{tm1Dhu}/Mc4r^{tm1Dhu}.

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.