

# Resource Summary Report

Generated by [kravitz2](#) on Sep 3, 2026

[Mc4r<sup>tm1Lowl</sup>/Mc4r<sup>tm1Lowl</sup>](#)

RRID:MGI:3692534

Type: Organism

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## Proper Citation

RRID:MGI:3692534

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## 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<sup>tm1Lowl</sup>/Mc4r<sup>tm1Lowl</sup>

**Record Creation Time:** 20240120T190538+0000

**Record Last Update:** 20240130T201952+0000

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## Ratings and Alerts

No rating or validation information has been found for Mc4r<sup>tm1Lowl</sup>/Mc4r<sup>tm1Lowl</sup>.

No alerts have been found for Mc4r<sup>tm1Lowl</sup>/Mc4r<sup>tm1Lowl</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.