

Resource Summary Report

Generated by [dkNET](#) on Aug 26, 2026

[Lepr^{tm1.1Chua}/Lepr^{tm1.2Chua}; Nos1^{tm1\(cre\)Mgmj}/Nos1⁺](#)

RRID:MGI:5319227

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5319227

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

Species: Mus musculus

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

Phenotype: decreased oxygen consumption, behavior/neurological phenotype, reproductive system phenotype, increased total body fat amount, increased food intake, increased circulating insulin level, decreased circulating thyroxine level, increased circulating corticosterone level, delayed estrous cycle, hypoactivity, increased body weight, increased circulating glucose level, increased circulating leptin level

Affected Gene: Nos1, Lepr

Genomic Alteration: tm1(cre)Mgmj, tm1.2Chua, tm1.1Chua

Catalog Number: 5319227

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:22522563](#)

Organism Name: Lepr^{tm1.1Chua}/Lepr^{tm1.2Chua}; Nos1^{tm1(cre)Mgmj}/Nos1⁺

Record Creation Time: 20240120T190149+0000

Record Last Update: 20240130T201743+0000

Ratings and Alerts

No rating or validation information has been found for Lepr^{tm1.1Chua}/Lepr^{tm1.2Chua}; Nos1^{tm1(cre)Mgmj}/Nos1⁺.

No alerts have been found for Lepr^{tm1.1Chua}/Lepr^{tm1.2Chua}; Nos1^{tm1(cre)Mgmj}/Nos1⁺.

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.