

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 14, 2025

B6.129-Lepr^{tm3(cre)}Mgmj/J

RRID:IMSR_JAX:032457

Type: Organism

Proper Citation

RRID:IMSR_JAX:032457

Organism Information

URL: <https://www.jax.org/strain/032457>

Proper Citation: RRID:IMSR_JAX:032457

Description: Mus musculus with name B6.129-Lepr^{tm3(cre)}Mgmj/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: leptin receptor; mutant strain|congenic strain: Lepr

Affected Gene: leptin receptor

Genomic Alteration: targeted mutation 1; Martin G Myers; Jr

Catalog Number: JAX:032457

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129-Lepr^{tm3(cre)}Mgmj/J

Record Creation Time: 20250513T053828+0000

Record Last Update: 20250513T054121+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Lepr^{tm3(cre)}Mgmj/J.

No alerts have been found for B6.129-Lepr^{tm3(cre)}Mgmj/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Gao L, et al. (2024) Hematopoietic stem cell niche generation and maintenance are distinguishable by an epitranscriptomic program. *Cell*, 187(11), 2801.

Aitken TJ, et al. (2024) Negative feedback control of hypothalamic feeding circuits by the taste of food. *Neuron*, 112(19), 3354.

Tang Q, et al. (2023) A leptin-responsive hypothalamic circuit inputs to the circadian feeding network. *bioRxiv : the preprint server for biology*.

Aitken TJ, et al. (2023) Negative feedback control of hunger circuits by the taste of food. *bioRxiv : the preprint server for biology*.

Petzold A, et al. (2023) Complementary lateral hypothalamic populations resist hunger pressure to balance nutritional and social needs. *Cell metabolism*, 35(3), 456.

Sarkaria SM, et al. (2023) Systematic dissection of coordinated stromal remodeling identifies Sox10+ glial cells as a therapeutic target in myelofibrosis. *Cell stem cell*, 30(6), 832.

Jiang Y, et al. (2023) GABAergic leptin receptor-expressing neurons in the dorsomedial hypothalamus project to brown adipose tissue-related neurons in the paraventricular nucleus of mice. *Autonomic neuroscience : basic & clinical*, 245, 103058.

Isringhausen S, et al. (2021) Chronic viral infections persistently alter marrow stroma and impair hematopoietic stem cell fitness. *The Journal of experimental medicine*, 218(12).

Siemian JN, et al. (2021) An excitatory lateral hypothalamic circuit orchestrating pain behaviors in mice. *eLife*, 10.

Biddinger JE, et al. (2020) Leptin suppresses development of GLP-1 inputs to the paraventricular nucleus of the hypothalamus. *eLife*, 9.

Cara AL, et al. (2020) Lack of AR in LepRb Cells Disrupts Ambulatory Activity and

