

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.129S4-Mc4r^{tm1Lowl}/J

RRID:IMSR_JAX:032518

Type: Organism

Proper Citation

RRID:IMSR_JAX:032518

Organism Information

URL: <https://www.jax.org/strain/032518>

Proper Citation: RRID:IMSR_JAX:032518

Description: Mus musculus with name B6.129S4-Mc4r^{tm1Lowl}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: melanocortin 4 receptor; mutant strain|congenic strain: Mc4r

Affected Gene: melanocortin 4 receptor

Genomic Alteration: targeted mutation 1; Bradford B Lowell

Catalog Number: JAX:032518

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129S4-Mc4r^{tm1Lowl}/J

Record Creation Time: 20250513T053829+0000

Record Last Update: 20260725T044527+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Mc4r^{tm1Lowl}/J.

No alerts have been found for B6.129S4-Mc4r^{tm1Lowl}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Moya-Garzon MD, et al. (2025) A γ -hydroxybutyrate shunt pathway generates anti-obesity ketone metabolites. *Cell*, 188(1), 175.

Shionoya K, et al. (2023) Melanocortin-4 receptors on neurons in the parabrachial nucleus mediate inflammation-induced suppression of food-seeking behavior. *Brain, behavior, and immunity*, 110, 80.