

# Resource Summary Report

Generated by [nidm-terms](#) on Aug 29, 2026

## B6;129S-Ucp2<sup>tm2.1Lowl/J</sup>

RRID:IMSR\_JAX:022394

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:022394

### Organism Information

**URL:** <https://www.jax.org/strain/022394>

**Proper Citation:** RRID:IMSR\_JAX:022394

**Description:** Mus musculus with name B6;129S-Ucp2<sup>tm2.1Lowl/J</sup> from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: uncoupling protein 2 (mitochondrial; proton carrier); mutant strain: Ucp2

**Affected Gene:** uncoupling protein 2 (mitochondrial; proton carrier)

**Genomic Alteration:** targeted mutation 2.1; Bradford B Lowell

**Catalog Number:** JAX:022394

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6;129S-Ucp2<sup>tm2.1Lowl/J</sup>

**Record Creation Time:** 20250513T053745+0000

**Record Last Update:** 20260829T045047+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S-Ucp2<sup>tm2.1Lowl/J</sup>.

No alerts have been found for B6;129S-Ucp2<sup>tm2.1Lowl/J</sup>.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

Emin MT, et al. (2023) Mitochondria of lung venular capillaries mediate lung-liver cross talk in pneumonia. American journal of physiology. Lung cellular and molecular physiology, 325(3), L277.

Maes ME, et al. (2023) Mitochondrial network adaptations of microglia reveal sex-specific stress response after injury and UCP2 knockout. iScience, 26(10), 107780.

Wang W, et al. (2022) Endothelial Cells Mediated by UCP2 Control the Neurogenic-to-Astrogenic Neural Stem Cells Fate Switch During Brain Development. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 9(18), e2105208.