

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 9, 2026

B6;129S-Ucp2^{tm2.1Lowl/J}

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^{tm2.1Lowl/J} 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^{tm2.1Lowl/J}

Record Creation Time: 20250513T053745+0000

Record Last Update: 20260808T050950+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Ucp2^{tm2.1Lowl/J}.

No alerts have been found for B6;129S-Ucp2^{tm2.1Lowl/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

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.