

Resource Summary Report

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

B6;129S-Gt(ROSA)26Sor^{tm1}(CAG-COX8A/Dendra2)Dcc/J

RRID:IMSR_JAX:018385

Type: Organism

Proper Citation

RRID:IMSR_JAX:018385

Organism Information

URL: <https://www.jax.org/strain/018385>

Proper Citation: RRID:IMSR_JAX:018385

Description: Mus musculus with name B6;129S-Gt(ROSA)26Sor^{tm1}(CAG-COX8A/Dendra2)Dcc/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S6-Gt(ROSA)26Sor/J

Notes: gene symbol note: [gene trap ROSA 26; Philippe Soriano|Dendra photoswitchable fluorescent protein; mutant stock: [Gt(ROSA)26Sor|Dendra

Affected Gene: [gene trap ROSA 26; Philippe Soriano|Dendra photoswitchable fluorescent protein

Genomic Alteration: targeted mutation 1; David C Chan

Catalog Number: JAX:018385

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S-Gt(ROSA)26Sor^{tm1}(CAG-COX8A/Dendra2)Dcc/J

Record Creation Time: 20250513T053737+0000

Record Last Update: 20260725T044446+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Gt(ROSA)26Sor^{tm1}(CAG-COX8A/Dendra2)Dcc/J.

No alerts have been found for B6;129S-Gt(ROSA)26Sor^{tm1}(CAG-COX8A/Dendra2)Dcc/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Hong SG, et al. (2025) Laminar Shear Stress Increases the Cytosolic Pool of PINK1 in Endothelial Cells and Enhances Mitophagic Sensitivity Toward Dysfunctional Mitochondria. bioRxiv : the preprint server for biology.

Zhou J, et al. (2024) Astrocytic LRP1 enables mitochondria transfer to neurons and mitigates brain ischemic stroke by suppressing ARF1 lactylation. Cell metabolism, 36(9), 2054.

Zhang K, et al. (2023) TREM2hi resident macrophages protect the septic heart by maintaining cardiomyocyte homeostasis. Nature metabolism, 5(1), 129.

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

Aguiar CF, et al. (2023) Tissue-specific metabolic profile drives iNKT cell function during obesity and liver injury. Cell reports, 42(1), 112035.

Sundaram VK, et al. (2023) Adipo-glial signaling mediates metabolic adaptation in peripheral nerve regeneration. Cell metabolism, 35(12), 2136.

Sie C, et al. (2022) IL-24 intrinsically regulates Th17 cell pathogenicity in mice. The Journal of experimental medicine, 219(8).

Hong SG, et al. (2022) Flow pattern-dependent mitochondrial dynamics regulates the metabolic profile and inflammatory state of endothelial cells. JCI insight, 7(18).

Sefton EM, et al. (2022) Fibroblast-derived Hgf controls recruitment and expansion of muscle during morphogenesis of the mammalian diaphragm. eLife, 11.

van der Vlist M, et al. (2022) Macrophages transfer mitochondria to sensory neurons to resolve inflammatory pain. Neuron, 110(4), 613.

Ataide MA, et al. (2022) Lymphatic migration of unconventional T_H17 cells promotes site-specific immunity in distinct lymph nodes. *Immunity*, 55(10), 1813.

Kontou G, et al. (2021) Miro1-dependent mitochondrial dynamics in parvalbumin interneurons. *eLife*, 10.

Della-Flora Nunes G, et al. (2021) Activation of mTORC1 and c-Jun by Prohibitin1 loss in Schwann cells may link mitochondrial dysfunction to demyelination. *eLife*, 10.

Gao J, et al. (2019) Endoplasmic reticulum mediates mitochondrial transfer within the osteocyte dendritic network. *Science advances*, 5(11), eaaw7215.

Guo Y, et al. (2018) Hierarchical and stage-specific regulation of murine cardiomyocyte maturation by serum response factor. *Nature communications*, 9(1), 3837.