

Resource Summary Report

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B6;129-Gt(ROSA)26Sor^{tm1}(cre/ERT)Nat/J

RRID:IMSR_JAX:004847

Type: Organism

Proper Citation

RRID:IMSR_JAX:004847

Organism Information

URL: <https://www.jax.org/strain/004847>

Proper Citation: RRID:IMSR_JAX:004847

Description: Mus musculus with name B6;129-Gt(ROSA)26Sor^{tm1}(cre/ERT)Nat/J from IMSR.

Species: Mus musculus

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

Notes: gene symbol note: cre inducible estrogen receptor|gene trap ROSA 26; Philippe Soriano; mutant stock: cre/ER|Gt(ROSA)26Sor

Affected Gene: cre inducible estrogen receptor|gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Jeremy Nathans

Catalog Number: JAX:004847

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6;129-Gt(ROSA)26Sor^{tm1}(cre/ERT)Nat/J

Record Creation Time: 20250513T053647+0000

Record Last Update: 20260801T050349+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Gt(ROSA)26Sor^{tm1(cre/ERT)}Nat/J.

No alerts have been found for B6;129-Gt(ROSA)26Sor^{tm1(cre/ERT)}Nat/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Golden LR, et al. (2025) APOE4 to APOE2 allelic switching in mice improves Alzheimer's disease-related metabolic signatures, neuropathology and cognition. *Nature neuroscience*, 28(12), 2461.

Zaninelli TH, et al. (2025) Targeting NGF but not VEGFR1 or BDNF signaling reduces endometriosis-associated pain in mice. *Journal of advanced research*, 73, 593.

Butic AB, et al. (2025) PD-1 regulates CD4+ T cell-mediated CD8+ T cell responses in the brain to balance viral control and neuroinflammation. *bioRxiv : the preprint server for biology*.

Li L, et al. (2023) Nuclear import carrier Hikeshi cooperates with HSP70 to promote murine oligodendrocyte differentiation and CNS myelination. *Developmental cell*, 58(21), 2275.

Sun Z, et al. (2022) Neuroinflammatory disease disrupts the blood-CNS barrier via crosstalk between proinflammatory and endothelial-to-mesenchymal-transition signaling. *Neuron*, 110(19), 3106.

Son JS, et al. (2022) Maternal exercise intergenerationally drives muscle-based thermogenesis via activation of apelin-AMPK signaling. *EBioMedicine*, 76, 103842.

Kanuri B, et al. (2021) Generation and validation of a conditional knockout mouse model for desmosterolosis. *Journal of lipid research*, 62, 100028.

Mc Fie M, et al. (2020) Ciliary proteins specify the cell inflammatory response by tuning NF- κ B signalling, independently of primary cilia. *Journal of cell science*, 133(13).

Wolf G, et al. (2020) KRAB-zinc finger protein gene expansion in response to active retrotransposons in the murine lineage. *eLife*, 9.

Wang W, et al. (2019) A PRDM16-Driven Metabolic Signal from Adipocytes Regulates Precursor Cell Fate. *Cell metabolism*, 30(1), 174.

Mohr S, et al. (2017) Hoxa9 and Meis1 Cooperatively Induce Addiction to Syk Signaling by Suppressing miR-146a in Acute Myeloid Leukemia. *Cancer cell*, 31(4), 549.

Gu B, et al. (2017) AIRE is a critical spindle-associated protein in embryonic stem cells. *eLife*, 6.

Herdman C, et al. (2017) A unique enhancer boundary complex on the mouse ribosomal RNA genes persists after loss of Rrn3 or UBF and the inactivation of RNA polymerase I transcription. *PLoS genetics*, 13(7), e1006899.

Mihaly SR, et al. (2017) Noncanonical cell death program independent of caspase activation cascade and necroptotic modules is elicited by loss of TGF β -activated kinase 1. *Scientific reports*, 7(1), 2918.

Girnius N, et al. (2017) JNK Promotes Epithelial Cell Anoikis by Transcriptional and Post-translational Regulation of BH3-Only Proteins. *Cell reports*, 21(7), 1910.

Yu X, et al. (2017) The Cytokine TGF- β Promotes the Development and Homeostasis of Alveolar Macrophages. *Immunity*, 47(5), 903.

Abraira VE, et al. (2017) The Cellular and Synaptic Architecture of the Mechanosensory Dorsal Horn. *Cell*, 168(1-2), 295.

Miller ME, et al. (2016) Meis1 Is Required for Adult Mouse Erythropoiesis, Megakaryopoiesis and Hematopoietic Stem Cell Expansion. *PloS one*, 11(3), e0151584.

Vernia S, et al. (2016) An alternative splicing program promotes adipose tissue thermogenesis. *eLife*, 5.

Husson H, et al. (2016) Reduction of ciliary length through pharmacologic or genetic inhibition of CDK5 attenuates polycystic kidney disease in a model of nephronophthisis. *Human molecular genetics*, 25(11), 2245.