

Resource Summary Report

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B6.129-Gt(ROSA)26Sor^{tm1}(cre/ERT2)Tyj/J

RRID:IMSR_JAX:008463

Type: Organism

Proper Citation

RRID:IMSR_JAX:008463

Organism Information

URL: <https://www.jax.org/strain/008463>

Proper Citation: RRID:IMSR_JAX:008463

Description: Mus musculus with name B6.129-Gt(ROSA)26Sor^{tm1}(cre/ERT2)Tyj/J from IMSR.

Species: Mus musculus

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

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano|Cre recombinase and estrogen receptor 1 (human) fusion gene; congenic strain: Gt(ROSA)26Sor|cre/ERT2

Affected Gene: gene trap ROSA 26; Philippe Soriano|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: targeted mutation 1; Tyler Jacks

Catalog Number: JAX:008463

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129-Gt(ROSA)26Sor^{tm1}(cre/ERT2)Tyj/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260725T044420+0000

Ratings and Alerts

No rating or validation information has been found for B6.129-Gt(ROSA)26Sor^{tm1(cre/ERT2)Tyj/J}.

No alerts have been found for B6.129-Gt(ROSA)26Sor^{tm1(cre/ERT2)Tyj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 185 mentions in open access literature.

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

Ishikawa R, et al. (2026) A novel conditional knock-in mouse model for APOE4-to-APOE3 switching. *Neurobiology of disease*, 218, 107244.

Zong P, et al. (2025) TRPM2 overactivation drives hyperlipidemia-induced dysfunction of myeloid cells and neurovascular units. *Cell reports. Medicine*, 6(3), 101998.

Duan S, et al. (2025) WNK1 signalling regulates amino acid transport and mTORC1 activity to sustain acute myeloid leukaemia growth. *Nature communications*, 16(1), 4920.

Buco PAV, et al. (2025) Minute amounts of helicase-deficient truncated RECQL4 are sufficient for DNA replication. *bioRxiv : the preprint server for biology*.

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*.

Cui Y, et al. (2025) circHERC1-A telomerase activator. *Science advances*, 11(46), ead3680.

Naderi J, et al. (2025) Ceramide-induced FGF13 impairs systemic metabolic health. *Cell metabolism*, 37(5), 1206.

Summers BS, et al. (2025) Renal and hepatic function is preserved following inducible knockout of kynurenine pathway enzymes KMO or QPRT in adult mice. *PloS one*, 20(12), e0335906.

Cortez VS, et al. (2025) IL-25-induced memory ILC2s mediate long-term small intestinal adaptation. *bioRxiv : the preprint server for biology*.

Novak J, et al. (2025) The adaptor protein Miro1 modulates horizontal transfer of mitochondria in mouse melanoma models. *Cell reports*, 44(1), 115154.

Journot RP, et al. (2025) Conserved signals control self-organization and symmetry breaking of murine bilayered epithelia during development and regeneration. *Developmental cell*.

Chakraborty S, et al. (2025) Deletion of a single CTCF motif at the boundary of a chromatin domain with three FGF genes disrupts gene expression and embryonic development. *Developmental cell*, 60(13), 1838.

Cortez VS, et al. (2025) IL-25-induced memory type 2 innate lymphoid cells enforce mucosal immunity. *Cell*.

Xie S, et al. (2025) The G1/S transition in mammalian stem cells in vivo is autonomously regulated by cell size. *Nature communications*, 16(1), 9071.

Kotikalapudi N, et al. (2025) Acute regulation of murine adipose tissue lipolysis and insulin resistance by the TGF β superfamily protein GDF3. *Nature communications*, 16(1), 4432.

Cheung JF, et al. (2025) Distinct T cell functions enable efficient immunoediting and prevent tumor emergence of developing sarcomas. *Cancer cell*, 43(12), 2311.

Hecht F, et al. (2024) Catabolism of extracellular glutathione supplies amino acids to support tumor growth. *bioRxiv : the preprint server for biology*.

Inoue T, et al. (2024) Csk restrains BCR-mediated ROS production and contributes to germinal center selection and affinity maturation. *The Journal of experimental medicine*, 221(7).

Hegazy AN, et al. (2024) Plasticity and lineage commitment of individual TH1 cells are determined by stable T-bet expression quantities. *Science advances*, 10(23), eadk2693.

Pyrillou K, et al. (2024) Loss of T follicular regulatory cell-derived IL-1R2 augments germinal center reactions via increased IL-1. *JCI insight*, 9(5).