

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

B6;129-Gt(ROSA)26Sor^{tm1(DTA)Mrc/J}

RRID:IMSR_JAX:010527

Type: Organism

Proper Citation

RRID:IMSR_JAX:010527

Organism Information

URL: <https://www.jax.org/strain/010527>

Proper Citation: RRID:IMSR_JAX:010527

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

Species: Mus musculus

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano|Diphtheria toxin A chain; mutant stock: Gt(ROSA)26Sor|Dta

Affected Gene: gene trap ROSA 26; Philippe Soriano|Diphtheria toxin A chain

Genomic Alteration: targeted mutation 1; Mario R Capecchi

Catalog Number: JAX:010527

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Gt(ROSA)26Sor^{tm1(DTA)Mrc/J}

Record Creation Time: 20250513T053716+0000

Record Last Update: 20260815T050626+0000

Ratings and Alerts

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

No alerts have been found for B6;129-Gt(ROSA)26Sor^{tm1(DTA)Mrc/JJ}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Voisin T, et al. (2026) Skin inflammation and itch response are independently regulated by distinct nociceptor subsets. *Immunity*, 59(5), 1237.

Shchukina I, et al. (2026) Inflammaging in aged tissues drives remodeling of the CD8+ T cell compartment. *Cell reports*, 45(5), 117303.

Woodruff ER, et al. (2025) Ablation of hematopoietic stem cell derived adipocytes reduces tumor burden in syngeneic mouse models of high-grade serous carcinoma. *bioRxiv : the preprint server for biology*.

Shchukina I, et al. (2025) Inflammaging in aged tissues drives remodeling of the CD8 + T cell compartment. *bioRxiv : the preprint server for biology*.

Atak D, et al. (2025) Longitudinal Investigation of Brain and Spinal Cord Pericytes After Inducible PDGFR^{??}+ Cell Ablation in Adult Mice. *Journal of neurochemistry*, 169(3), e70035.

Yang SH, et al. (2024) Activated dormant stem cells recover spermatogenesis in chemoradiotherapy-induced infertility. *Cell reports*, 43(8), 114582.

Zhang L, et al. (2024) Regulation of muscle hypertrophy through granulin: Relayed communication among mesenchymal progenitors, macrophages, and satellite cells. *Cell reports*, 43(4), 114052.

Mirmoeini K, et al. (2023) Schwann Cells Are Key Regulators of Corneal Epithelial Renewal. *Investigative ophthalmology & visual science*, 64(4), 7.

Yang JL, et al. (2023) Transient neurogenesis in ischemic cortex from Sox2+ astrocytes. *Neural regeneration research*, 18(7), 1521.

Barron JJ, et al. (2023) Group 2 innate lymphoid cells promote inhibitory synapse development and social behavior. *bioRxiv : the preprint server for biology*.

Takamura T, et al. (2022) Development of a Cryopreservation Technique for Xenogeneic Kidney Grafts: Evaluation Using a Mouse Model. *Journal of clinical medicine*, 11(23).

Kaneshige A, et al. (2022) Relayed signaling between mesenchymal progenitors and muscle stem cells ensures adaptive stem cell response to increased mechanical load. *Cell stem cell*, 29(2), 265.

Martins LF, et al. (2022) Motor neurons use push-pull signals to direct vascular remodeling critical for their connectivity. *Neuron*, 110(24), 4090.

Saito Y, et al. (2022) Generation of functional chimeric kidney containing exogenous progenitor-derived stroma and nephron via a conditional empty niche. *Cell reports*, 39(11), 110933.

Mahmud N, et al. (2022) Nail-associated mesenchymal cells contribute to and are essential for dorsal digit tip regeneration. *Cell reports*, 41(12), 111853.

Mu W, et al. (2021) Hypothalamic Rax⁺ tanycytes contribute to tissue repair and tumorigenesis upon oncogene activation in mice. *Nature communications*, 12(1), 2288.

Wang J, et al. (2021) Endothelial Wnts control mammary epithelial patterning via fibroblast signaling. *Cell reports*, 34(13), 108897.

Sivaraj KK, et al. (2021) Regional specialization and fate specification of bone stromal cells in skeletal development. *Cell reports*, 36(2), 109352.

Seldin L, et al. (2020) DNA Damage Promotes Epithelial Hyperplasia and Fate Mis-specification via Fibroblast Inflammasome Activation. *Developmental cell*, 55(5), 558.

Sheng X, et al. (2020) Cycling Stem Cells Are Radioresistant and Regenerate the Intestine. *Cell reports*, 32(4), 107952.