Resource Summary Report

Generated by NIF on Sep 17, 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: Diphtheria toxin A chain|gene trap ROSA 26; Philippe Soriano; mutant stock: Dta|Gt(ROSA)26Sor

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

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: 20260912T060501+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$^{tm1(DTA)Mrc}$/J.

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.

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.

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

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.