Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 14, 2025

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: 20250513T053906+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 24 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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).

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.

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.

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.

Storer MA, et al. (2020) Acquisition of a Unique Mesenchymal Precursor-like Blastema State Underlies Successful Adult Mammalian Digit Tip Regeneration. Developmental cell, 52(4), 509.

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

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

Fujimoto T, et al. (2020) Generation of Human Renal Vesicles in Mouse Organ Niche Using Nephron Progenitor Cell Replacement System. Cell reports, 32(11), 108130.

Shwartz Y, et al. (2020) Cell Types Promoting Goosebumps Form a Niche to Regulate Hair Follicle Stem Cells. Cell, 182(3), 578.

Zou W, et al. (2020) Ablation of Fat Cells in Adult Mice Induces Massive Bone Gain. Cell metabolism, 32(5), 801.

Jenkins BA, et al. (2019) The cellular basis of mechanosensory Merkel-cell innervation during development. eLife, 8.