

Resource Summary Report

Generated by [NIF](#) on Aug 16, 2026

B6;129S4-Gt(ROSA)26Sor^{tm1(rtTA*M2)Jae Col1a1/J}

RRID:IMSR_JAX:029415

Type: Organism

Proper Citation

RRID:IMSR_JAX:029415

Organism Information

URL: <https://www.jax.org/strain/029415>

Proper Citation: RRID:IMSR_JAX:029415

Description: Mus musculus with name B6;129S4-Gt(ROSA)26Sor^{tm1(rtTA*M2)Jae Col1a1/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: tet operator|collagen; type I; alpha 1|gene trap ROSA 26; Philippe Soriano|reverse tetracycline-controlled transactivator|CRISPR associated protein 9; mutant strain: tetO|Col1a1|Gt(ROSA)26Sor|rtTA|cas9

Affected Gene: tet operator|collagen; type I; alpha 1|gene trap ROSA 26; Philippe Soriano|reverse tetracycline-controlled transactivator|CRISPR associated protein 9

Genomic Alteration: targeted mutation 1; Stuart Orkin|targeted mutation 1; Rudolf Jaenisch

Catalog Number: JAX:029415

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S4-Gt(ROSA)26Sor^{tm1(rtTA*M2)Jae Col1a1/J}

Record Creation Time: 20250513T053809+0000

Record Last Update: 20260815T050722+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S4-Gt(ROSA)26Sor^{tm1(rtTA^{*}M2)}Jae Col1a1/J.

No alerts have been found for B6;129S4-Gt(ROSA)26Sor^{tm1(rtTA^{*}M2)}Jae Col1a1/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Marshall AC, et al. (2026) Mapping breast cancer lineage in radiation and immunotherapy using the REMAP mouse. bioRxiv : the preprint server for biology.

Schwayer C, et al. (2026) Multiscale integration of tissue and chromatin context converts cell heterogeneity into stable intestinal patterning. Cell.

Yagi M, et al. (2025) Bivalent chromatin instructs lineage specification during hematopoiesis. Cell, 188(16), 4314.

Abdullah L, et al. (2025) The endogenous antigen-specific CD8⁺ T cell repertoire is composed of unbiased and biased clonotypes with differential fate commitments. Immunity, 58(3), 601.

Abdullah L, et al. (2024) Hierarchical single-cell lineage tracing reveals differential fate commitment of CD8 T-cell clones in response to acute infection. bioRxiv : the preprint server for biology.

Li L, et al. (2023) A mouse model with high clonal barcode diversity for joint lineage, transcriptomic, and epigenomic profiling in single cells. Cell, 186(23), 5183.

Bowling S, et al. (2020) An Engineered CRISPR-Cas9 Mouse Line for Simultaneous Readout of Lineage Histories and Gene Expression Profiles in Single Cells. Cell, 181(6), 1410.