

Resource Summary Report

Generated by [RRID](#) on Jul 30, 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: collagen; type I; alpha 1|reverse tetracycline-controlled transactivator|gene trap ROSA 26; Philippe Soriano|tet operator|CRISPR associated protein 9; mutant strain: Col1a1|rtTA|Gt(ROSA)26Sor|tetO|cas9

Affected Gene: collagen; type I; alpha 1|reverse tetracycline-controlled transactivator|gene trap ROSA 26; Philippe Soriano|tet operator|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: 20260725T044514+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 5 mentions in open access literature.

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

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.