

Resource Summary Report

Generated by [NIF](#) on Sep 1, 2026

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

RRID:IMSR_JAX:016836

Type: Organism

Proper Citation

RRID:IMSR_JAX:016836

Organism Information

URL: <https://www.jax.org/strain/016836>

Proper Citation: RRID:IMSR_JAX:016836

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: |H2B clustered histone 11|collagen; type I; alpha 1|reverse tetracycline-controlled transactivator|gene trap ROSA 26; Philippe Soriano|tet operator; mutant stock: |H2BC11|Col1a1|rtTA|Gt(ROSA)26Sor|tetO

Affected Gene: |H2B clustered histone 11|collagen; type I; alpha 1|reverse tetracycline-controlled transactivator|gene trap ROSA 26; Philippe Soriano|tet operator

Genomic Alteration: targeted mutation 7; Rudolf Jaenisch|targeted mutation 1; Rudolf Jaenisch

Catalog Number: JAX:016836

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

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

Record Creation Time: 20250513T053730+0000

Record Last Update: 20260829T045029+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](#).

Bartram J, et al. (2026) Activation of a branched-chain amino acid rheostat restores replication-dependent hematopoietic stem cell fitness. Cell stem cell.

Comazzetto S, et al. (2025) Ascorbate deficiency increases quiescence and self-renewal in hematopoietic stem cells and multipotent progenitors. Blood, 145(1), 114.

Cao J, et al. (2024) Deciphering the metabolic heterogeneity of hematopoietic stem cells with single-cell resolution. Cell metabolism, 36(1), 209.

Comazzetto S, et al. (2024) Ascorbate depletion increases quiescence and self-renewal potential in hematopoietic stem cells and multipotent progenitors. bioRxiv : the preprint server for biology.

Denoth-Lippuner A, et al. (2021) Visualization of individual cell division history in complex tissues using iCOUNT. Cell stem cell, 28(11), 2020.

Chen R, et al. (2021) Kmt2c mutations enhance HSC self-renewal capacity and convey a selective advantage after chemotherapy. Cell reports, 34(7), 108751.

Otsu K, et al. (2021) Oxygen regulates epithelial stem cell proliferation via RhoA-actomyosin-YAP/TAZ signal in mouse incisor. Development (Cambridge, England), 148(4).