

Resource Summary Report

Generated by SPARC SAWG on Aug 16, 2026

B6.Cg-Tg(Col1a1*2.3-GFP)1Rowe/J

RRID:IMSR_JAX:013134

Type: Organism

Proper Citation

RRID:IMSR_JAX:013134

Organism Information

URL: <https://www.jax.org/strain/013134>

Proper Citation: RRID:IMSR_JAX:013134

Description: Mus musculus with name B6.Cg-Tg(Col1a1*2.3-GFP)1Rowe/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: collagen; type I; alpha 1||transgene insertion 1; David Rowe; mutant strain|congenic strain: Col1a1||Tg(Col1a1*2.3-GFP)1Rowe

Affected Gene: collagen; type I; alpha 1||transgene insertion 1; David Rowe

Genomic Alteration: transgene insertion 1; David Rowe

Catalog Number: JAX:013134

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Tg(Col1a1*2.3-GFP)1Rowe/J

Record Creation Time: 20250513T053724+0000

Record Last Update: 20260815T050635+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Col1a1*2.3-GFP)1Rowe/J.

No alerts have been found for B6.Cg-Tg(Col1a1*2.3-GFP)1Rowe/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Liu YL, et al. (2024) Fibrous periosteum repairs bone fracture and maintains the healed bone throughout mouse adulthood. *Developmental cell*, 59(9), 1192.

Lin SC, et al. (2023) Endothelial-to-osteoblast transition in normal mouse bone development. *iScience*, 26(2), 105994.

Scheiber AL, et al. (2022) 4PBA reduces growth deficiency in osteogenesis imperfecta by enhancing transition of hypertrophic chondrocytes to osteoblasts. *JCI insight*, 7(3).

Yu F, et al. (2022) Identification and characterization of NFATc1+ skeletal stem cells in bone regeneration. *Cell reports*, 41(6), 111599.

Shu HS, et al. (2021) Tracing the skeletal progenitor transition during postnatal bone formation. *Cell stem cell*, 28(12), 2122.

Shi Y, et al. (2021) Gli1+ progenitors mediate bone anabolic function of teriparatide via Hh and Igf signaling. *Cell reports*, 36(7), 109542.

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

Wei H, et al. (2020) Identification of Fibroblast Activation Protein as an Osteogenic Suppressor and Anti-osteoporosis Drug Target. *Cell reports*, 33(2), 108252.