Resource Summary Report

Generated by SPARC SAWG on Aug 30, 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: 20260829T045020+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.