

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

STOCK Tg(Col10a1-mCherry)3Pmay/J

RRID:IMSR_JAX:017465

Type: Organism

Proper Citation

RRID:IMSR_JAX:017465

Organism Information

URL: <https://www.jax.org/strain/017465>

Proper Citation: RRID:IMSR_JAX:017465

Description: Mus musculus with name STOCK Tg(Col10a1-mCherry)3Pmay/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: collagen; type X; alpha 1||transgene insertion 3; Peter Maye; mutant stock: Col10a1||Tg(Col10a1-mCherry)3Pmay

Affected Gene: collagen; type X; alpha 1||transgene insertion 3; Peter Maye

Genomic Alteration: transgene insertion 3; Peter Maye

Catalog Number: JAX:017465

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Tg(Col10a1-mCherry)3Pmay/J

Record Creation Time: 20250513T053732+0000

Record Last Update: 20260829T045031+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Col10a1-mCherry)3Pmay/J.

No alerts have been found for STOCK Tg(Col10a1-mCherry)3Pmay/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Hojo H, et al. (2022) Runx2 regulates chromatin accessibility to direct the osteoblast program at neonatal stages. Cell reports, 40(10), 111315.

Kuwahara ST, et al. (2019) Sox9+ messenger cells orchestrate large-scale skeletal regeneration in the mammalian rib. eLife, 8.

Böhm AM, et al. (2019) Activation of Skeletal Stem and Progenitor Cells for Bone Regeneration Is Driven by PDGFR? Signaling. Developmental cell, 51(2), 236.