

# Resource Summary Report

Generated by [T1D](#) on Sep 22, 2026

## [Col1a1<sup>tm1Jae</sup>/Col1a1<sup>tm1Jae</sup>](#)

RRID:MGI:3045084

Type: Organism

### Proper Citation

RRID:MGI:3045084

### Organism Information

**URL:**

**Proper Citation:** RRID:MGI:3045084

**Description:** Allele Detail: Targeted This is a legacy resource.

**Species:** Mus musculus

**Notes:** Allele Detail: Targeted This is a legacy resource.

**Phenotype:** failure of bone resorption, vision/eye phenotype, abnormal osteoblast differentiation, osteopetrosis, abnormal osteoblast differentiation, decreased body weight, ocular hypertension, thick neurocranium, abnormal neurocranium morphology, increased osteoblast apoptosis, abnormal osteocyte morphology, increased osteocyte apoptosis, abnormal osteocyte lacuna morphology, abnormal osteoclast physiology, joint contracture, abnormal limb bone morphology, skeleton phenotype

**Affected Gene:** Col1a1

**Genomic Alteration:** tm1Jae

**Catalog Number:** 3045084

**Background:** involves: 129S4/SvJae \* C57BL/6

**Database:** MGI, Mouse Genome Informatics MGI

**Database Abbreviation:** MGI

**Availability:** Availability unknown check source stock center

**Source References:** [PMID:12933685](#), [PMID:12657595](#), [PMID:11032854](#), [PMID:10021460](#)

**Organism Name:** Col1a1<sup>tm1Jae</sup>/Col1a1<sup>tm1Jae</sup>

**Record Creation Time:** 20240120T190657+0000

**Record Last Update:** 20240130T202131+0000

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## Ratings and Alerts

No rating or validation information has been found for Col1a1<sup>tm1Jae</sup>/Col1a1<sup>tm1Jae</sup>.

No alerts have been found for Col1a1<sup>tm1Jae</sup>/Col1a1<sup>tm1Jae</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** MGI, Mouse Genome Informatics MGI

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#) .

Northey JJ, et al. (2024) Mechanosensitive hormone signaling promotes mammary progenitor expansion and breast cancer risk. Cell stem cell, 31(1), 106.