Resource Summary Report

Generated by NIF on Aug 19, 2026

B6.Cg-Tg(Prrx1-cre)1Cjt/J

RRID:IMSR_JAX:005584
Type: Organism

Proper Citation

RRID:IMSR_JAX:005584

Organism Information

URL: https://www.jax.org/strain/005584

Proper Citation: RRID:IMSR_JAX:005584

Description: Mus musculus with name B6.Cg-Tg(Prrx1-cre)1Cjt/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: paired related homeobox 1||transgene insertion 1; Clifford J Tabin; mutant strain|congenic strain: Prrx1||Tg(Prrx1-cre)1Cjt

Affected Gene: paired related homeobox 1||transgene insertion 1; Clifford J Tabin

Genomic Alteration: transgene insertion 1; Clifford J Tabin

Catalog Number: JAX:005584

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Prrx1-cre)1Cjt/J

Record Creation Time: 20250513T053650+0000

Record Last Update: 20260815T050603+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Prrx1-cre)1Cjt/J.

No alerts have been found for B6.Cg-Tg(Prrx1-cre)1Cjt/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 53 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Chen Z, et al. (2026) Adipose precursor cell-derived clusterin promotes homeostasis in subcutaneous adipose tissue. Stem cell reports, 21(7), 102969.

Luna G, et al. (2026) MYRF controls mesothelium specification, signaling, and plasticity in lung development. Developmental cell, 61(3), 536.

Yu C, et al. (2026) Cyclophilin D, Regulator of Mitochondrial Permeability Transition and Bioenergetics, Promotes Adipogenic Differentiation of Mesenchymal Stem Cells. Cells, 15(6).

Zhang F, et al. (2025) The ESCRT protein CHMP5 restricts bone formation by controlling endolysosome-mitochondrion-mediated cell senescence. eLife, 13.

Wu S, et al. (2025) Merlin controls limb development and thumb formation by regulating primary cilium-hedgehog signaling. Cell reports, 44(6), 115849.

Higaki K, et al. (2025) Universal fibroblasts across tissues can differentiate into niche cells for hematopoietic stem cells. Cell reports, 44(5), 115620.

Li Q, et al. (2025) Stromal Cell-Mast Cell Communication Orchestrates Anti-Viral Immunity in the Meninges. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e14842.

Hann SH, et al. (2024) Depletion of SMN protein in mesenchymal progenitors impairs the development of bone and neuromuscular junction in spinal muscular atrophy. eLife, 12.

Nakanishi Y, et al. (2024) Semaphorin 6D tunes amygdalar circuits for emotional, metabolic, and inflammatory outputs. Neuron, 112(17), 2955.

Zhang Z, et al. (2024) CYP7B1-mediated 25-hydroxycholesterol degradation maintains quiescence-activation balance and improves therapeutic potential of mesenchymal stem cells. Cell chemical biology.

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

Gao L, et al. (2024) Hematopoietic stem cell niche generation and maintenance are distinguishable by an epitranscriptomic program. Cell, 187(11), 2801.

Perrin S, et al. (2024) Single-nucleus transcriptomics reveal the differentiation trajectories of periosteal skeletal/stem progenitor cells in bone regeneration. eLife, 13.

Yoo K, et al. (2024) Muscle-resident mesenchymal progenitors sense and repair peripheral nerve injury via the GDNF-BDNF axis. eLife, 13.

Zhang F, et al. (2023) NFATc1 marks articular cartilage progenitors and negatively determines articular chondrocyte differentiation. eLife, 12.

Gong Y, et al. (2023) Loss of RanGAP1 drives chromosome instability and rapid tumorigenesis of osteosarcoma. Developmental cell, 58(3), 192.

Brent AE, et al. (2023) Evolutionary assembly and disassembly of the mammalian sternum. Current biology : CB, 33(1), 197.

Kara N, et al. (2023) Endothelial and Leptin Receptor+ cells promote the maintenance of stem cells and hematopoiesis in early postnatal murine bone marrow. Developmental cell, 58(5), 348.

Zhang S, et al. (2023) Opioid growth factor receptor promotes adipose tissue thermogenesis via enhancing lipid oxidation. Life metabolism, 2(3), load018.

Meng X, et al. (2023) Stromal cell-derived NGF controls sympathetic innervation in subcutaneous fat. Journal of lipid research, 64(2), 100264.