

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

C57BL/6-Tg(Pdgfra-cre)1Clc/J

RRID:IMSR_JAX:013148

Type: Organism

Proper Citation

RRID:IMSR_JAX:013148

Organism Information

URL: <https://www.jax.org/strain/013148>

Proper Citation: RRID:IMSR_JAX:013148

Description: Mus musculus with name C57BL/6-Tg(Pdgfra-cre)1Clc/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 1; Constance L Cepko||platelet derived growth factor receptor; alpha polypeptide; coisogenic strain|mutant strain: Tg(Pdgfra-cre)1Clc||Pdgfra

Affected Gene: transgene insertion 1; Constance L Cepko||platelet derived growth factor receptor; alpha polypeptide

Genomic Alteration: transgene insertion 1; Constance L Cepko

Catalog Number: JAX:013148

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Pdgfra-cre)1Clc/J

Record Creation Time: 20250513T053724+0000

Record Last Update: 20260912T060510+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Pdgfra-cre)1Clc/J.

No alerts have been found for C57BL/6-Tg(Pdgfra-cre)1Clc/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Pokatayev V, et al. (2026) Bidirectional CRISPR screens decode a GLIS3-dependent fibrotic cell circuit. *Nature*, 650(8103), 997.

Tam HT, et al. (2026) Hyperinnervation inhibits organ-level regeneration in mammalian skin. *Cell*, 189(11), 3270.

Chan H, et al. (2025) Psychological stress increases skin infection through the action of TGF β to suppress immune-acting fibroblasts. *Science immunology*, 10(106), eads0519.

Yang C, et al. (2025) Glucose-activated JMJD1A drives visceral adipogenesis via α -ketoglutarate-dependent chromatin remodeling. *Cell reports*, 44(8), 116060.

Imanishi I, et al. (2025) A basophil-fibroblast pro-inflammatory axis fuels type 2 skin inflammation. *Cell reports*, 44(8), 116114.

Greicius G, et al. (2025) Telocytes deliver essential Wnts directly to murine intestinal stem cells via synapse-like contacts. *Developmental cell*.

Wang G, et al. (2024) Adipose-tissue Treg cells restrain differentiation of stromal adipocyte precursors to promote insulin sensitivity and metabolic homeostasis. *Immunity*, 57(6), 1345.

Gao KM, et al. (2024) Endothelial cell expression of a STING gain-of-function mutation initiates pulmonary lymphocytic infiltration. *Cell reports*, 43(4), 114114.

Liao X, et al. (2024) Adipose stem cells control obesity-induced T cell infiltration into adipose tissue. *Cell reports*, 43(3), 113963.

Qin G, et al. (2023) Distinct niche structures and intrinsic programs of fallopian tube and ovarian surface epithelial cells. *iScience*, 26(1), 105861.

Siewiera J, et al. (2023) Circumvention of luteolysis reveals parturition pathways in mice dependent upon innate type 2 immunity. *Immunity*, 56(3), 606.

Saavedra-Peña RDM, et al. (2023) Estradiol cycling drives female obesogenic adipocyte hyperplasia. *Cell reports*, 42(4), 112390.

Dahl KD, et al. (2023) mTORC2 Loss in Oligodendrocyte Progenitor Cells Results in Regional Hypomyelination in the Central Nervous System. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(4), 540.

Kurahashi M, et al. (2022) PDGFR⁺ Interstitial Cells are Effector Cells of PACAP Signaling in Mouse and Human Colon. *Cellular and molecular gastroenterology and hepatology*, 14(2), 357.

Zhang K, et al. (2022) A functional circuit formed by the autonomic nerves and myofibroblasts controls mammalian alveolar formation for gas exchange. *Developmental cell*, 57(13), 1566.

Robinson R, et al. (2022) Generation and characterization of a Müller-glia-specific Il6ra knockout mouse to delineate the effects of IL-6 trans-signaling in the retina. *Scientific reports*, 12(1), 17626.

Yang X, et al. (2022) Very-low-density lipoprotein receptor-enhanced lipid metabolism in pancreatic stellate cells promotes pancreatic fibrosis. *Immunity*, 55(7), 1185.

Gong Z, et al. (2022) Lipid-laden lung mesenchymal cells foster breast cancer metastasis via metabolic reprogramming of tumor cells and natural killer cells. *Cell metabolism*, 34(12), 1960.

Yao L, et al. (2022) Temporal control of PDGFR⁺ regulates the fibroblast-to-myofibroblast transition in wound healing. *Cell reports*, 40(7), 111192.

Yamamoto M, et al. (2022) Overexpression of Wild-Type ACVR1 in Fibrodysplasia Ossificans Progressiva Mice Rescues Perinatal Lethality and Inhibits Heterotopic Ossification. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 37(11), 2077.