

# Resource Summary Report

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

## STOCK Tg(Pdgfrb-EGFP)JN169Gsat/Mmucd

RRID:MMRRC\_031796-UCD

Type: Organism

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### Proper Citation

RRID:MMRRC\_031796-UCD

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### Organism Information

**URL:** [https://www.mmrrc.org/catalog/sds.php?mmrrc\\_id=31796](https://www.mmrrc.org/catalog/sds.php?mmrrc_id=31796)

**Proper Citation:** RRID:MMRRC\_031796-UCD

**Description:** Mus musculus with name STOCK Tg(Pdgfrb-EGFP)JN169Gsat/Mmucd from MMRRC.

**Species:** Mus musculus

**Notes:** Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

**Affected Gene:** EGFP|Pdgfrb|

**Catalog Number:** 031796-UCD

**Background:** Transgenic

**Database:** Mutant Mouse Resource and Research Center (MMRRC)

**Database Abbreviation:** MMRRC

**Source References:** [PMID:14586460](#)

**Alternate IDs:** MMRRC\_31796-UCD, MMRRC\_031796, MMRRC\_31796

**Organism Name:** STOCK Tg(Pdgfrb-EGFP)JN169Gsat/Mmucd

**Record Creation Time:** 20230308T055125+0000

**Record Last Update:** 20260919T133835+0000

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### Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Pdgfrb-EGFP)JN169Gsat/Mmucd.

No alerts have been found for STOCK Tg(Pdgfrb-EGFP)JN169Gsat/Mmucd.

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## Data and Source Information

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

**Source Database:** Mutant Mouse Resource and Research Center (MMRRC)

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## Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Petrova TV, et al. (2026) Eosinophils promote a second wave of postnatal smooth muscle differentiation in intestinal villi. *The Journal of cell biology*, 225(7).

Holl D, et al. (2024) Distinct origin and region-dependent contribution of stromal fibroblasts to fibrosis following traumatic injury in mice. *Nature neuroscience*, 27(7), 1285.

Amoedo-Leite C, et al. (2024) Macrophages upregulate mural cell-like markers and support healing of ischemic injury by adopting functions important for vascular support. *Nature cardiovascular research*, 3(6), 685.

Trinh VQ, et al. (2023) Hepatic stellate cells maintain liver homeostasis through paracrine neurotrophin-3 signaling that induces hepatocyte proliferation. *Science signaling*, 16(787), eadf6696.

Bjørnholm KD, et al. (2023) A robust and efficient microvascular isolation method for multimodal characterization of the mouse brain vasculature. *Cell reports methods*, 3(3), 100431.

John N, et al. (2022) Mechanical spinal cord transection in larval zebrafish and subsequent whole-mount histological processing. *STAR protocols*, 3(1), 101093.

Muhl L, et al. (2022) The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. *Stem cell reports*, 17(5), 1089.

Kirkwood PM, et al. (2022) Single-cell RNA sequencing and lineage tracing confirm mesenchyme to epithelial transformation (MET) contributes to repair of the endometrium at menstruation. *eLife*, 11.

Muhl L, et al. (2022) A single-cell transcriptomic inventory of murine smooth muscle cells. *Developmental cell*, 57(20), 2426.

Kuppe C, et al. (2021) Decoding myofibroblast origins in human kidney fibrosis. *Nature*, 589(7841), 281.

Kirkwood PM, et al. (2021) Single-cell RNA sequencing redefines the mesenchymal cell landscape of mouse endometrium. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(4), e21285.

Buhl EM, et al. (2020) Dysregulated mesenchymal PDGFR- $\alpha$  drives kidney fibrosis. *EMBO molecular medicine*, 12(3), e11021.

Zhang Y, et al. (2018) Transient loss of venous integrity during developmental vascular remodeling leads to red blood cell extravasation and clearance by lymphatic vessels. *Development (Cambridge, England)*, 145(3).

Wang Y, et al. (2017) Smooth muscle cell recruitment to lymphatic vessels requires PDGFR $\beta$  and impacts vessel size but not identity. *Development (Cambridge, England)*, 144(19), 3590.

He L, et al. (2016) Analysis of the brain mural cell transcriptome. *Scientific reports*, 6, 35108.

Henderson NC, et al. (2013) Targeting of  $\alpha$ v integrin identifies a core molecular pathway that regulates fibrosis in several organs. *Nature medicine*, 19(12), 1617.