

Resource Summary Report

Generated by [NIF](#) on Aug 9, 2026

B6.Cg-Tg(Col1a2-cre/ERT.-ALPP)7Cpd/2J

RRID:IMSR_JAX:029567

Type: Organism

Proper Citation

RRID:IMSR_JAX:029567

Organism Information

URL: <https://www.jax.org/strain/029567>

Proper Citation: RRID:IMSR_JAX:029567

Description: Mus musculus with name B6.Cg-Tg(Col1a2-cre/ERT.-ALPP)7Cpd/2J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Col1a2-cre/ERT.-ALPP)7Cpd/J

Notes: gene symbol note: transgene insertion 7; Christopher P Denton|collagen; type I; alpha 2|cre inducible estrogen receptor; mutant strain|congenic strain: Tg(Col1a2-cre/ERT;-ALPP)7Cpd|Col1a2|cre/ER

Affected Gene: transgene insertion 7; Christopher P Denton|collagen; type I; alpha 2|cre inducible estrogen receptor

Genomic Alteration: transgene insertion 7; Christopher P Denton

Catalog Number: JAX:029567

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Tg(Col1a2-cre/ERT.-ALPP)7Cpd/2J

Record Creation Time: 20250513T053809+0000

Record Last Update: 20260808T051008+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Col1a2-cre/ERT.-ALPP)7Cpd/2J.

No alerts have been found for B6.Cg-Tg(Col1a2-cre/ERT.-ALPP)7Cpd/2J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Ma W, et al. (2026) Direct Extracellular Matrix Modulation Attenuates Intestinal Fibrosis via a Fibronectin-Targeted Approach. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(20), e19433.

Chen Z, et al. (2026) Fibroblast-derived alarmin promotes oral wound healing by activating regulatory T cells that relay pro-angiogenic and anti-inflammatory responses. *Cell reports*, 45(1), 116829.

Jones HE, et al. (2026) PDGFR β is required for postnatal cerebral perivascular fibroblast development. *Developmental biology*, 530, 1.

Wang J, et al. (2026) BRAF Inhibition-Associated Nuclear Remodeling is Linked to Cancer-Associated Fibroblast Activation. *Cancer research communications*, 6(7), 1693.

Tumanov AV, et al. (2026) Lymphotoxin-beta receptor controls the development of chronic pain. *Cell reports*, 45(4), 117269.

Zhang Y, et al. (2025) Pyroptosis of pulmonary fibroblasts and macrophages through NLRP4 inflammasome leads to acute respiratory failure. *Cell reports*, 44(4), 115479.

Bauer-Rowe KE, et al. (2025) Creeping fat-derived mechanosensitive fibroblasts drive intestinal fibrosis in Crohn's disease strictures. *Cell*.

Chen H, et al. (2025) Protein Arginine Methyltransferase 1-mediated Histone H4R3 Dimethyl Asymmetric enhances Epidermal Growth Factor Receptor signaling to promote Peritoneal Fibrosis. *International journal of biological sciences*, 21(9), 4010.

Martínez Santamaría JC, et al. (2025) Fibrinogen triggers perivascular fibroblast activation in a mouse model of cortical ischemic stroke. *iScience*, 28(11), 113834.

Feng JX, et al. (2025) Single-cell lineage tracing identifies hemogenic endothelial cells in the adult mouse bone marrow. *bioRxiv : the preprint server for biology*.

Atakkatan A, et al. (2025) Complement-producing adventitial fibroblasts form an IL-33 alarmin hub that maintains ILC2s during airway allergy. *Cell reports*, 44(12), 116641.

Brune JE, et al. (2025) Immunomodulation of the Innate Host Response by Mesenchymal-Derived Versican during Influenza A Virus Infection. *bioRxiv : the preprint server for biology*.

Jones HE, et al. (2025) "PDGFR α is required for postnatal cerebral perivascular fibroblast development". *bioRxiv : the preprint server for biology*.

Yang R, et al. (2024) BMP signaling maintains auricular chondrocyte identity and prevents microtia development by inhibiting protein kinase A. *eLife*, 12.

Hostler AC, et al. (2024) Endothelial-specific CXCL12 regulates neovascularization during tissue repair and tumor progression. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 38(24), e70210.

Menche C, et al. (2024) ZEB1-mediated fibroblast polarization controls inflammation and sensitivity to immunotherapy in colorectal cancer. *EMBO reports*, 25(8), 3406.

Voisin B, et al. (2023) Macrophage-mediated extracellular matrix remodeling controls host *Staphylococcus aureus* susceptibility in the skin. *Immunity*, 56(7), 1561.

Jones HE, et al. (2023) Meningeal origins and dynamics of perivascular fibroblast development on the mouse cerebral vasculature. *bioRxiv : the preprint server for biology*.

Jones HE, et al. (2023) Meningeal origins and dynamics of perivascular fibroblast development on the mouse cerebral vasculature. *Development (Cambridge, England)*, 150(19).

Wei X, et al. (2022) Ablating Lgr5-expressing prostatic stromal cells activates the ERK-mediated mechanosensory signaling and disrupts prostate tissue homeostasis. *Cell reports*, 40(10), 111313.