

Resource Summary Report

Generated by [NIF](#) on Sep 1, 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|cre inducible estrogen receptor|collagen; type I; alpha 2; mutant strain|congenic strain: Tg(Col1a2-cre/ERT;-ALPP)7Cpd|cre/ER|Col1a2

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

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: 20260829T045116+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](#).

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.

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.

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.

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

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.

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.

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.