

Resource Summary Report

Generated by [Kravitz](#) on Sep 19, 2026

STOCK Tg(Avil-icre/ERT2)AJwo/J

RRID:IMSR_JAX:032027

Type: Organism

Proper Citation

RRID:IMSR_JAX:032027

Organism Information

URL: <https://www.jax.org/strain/032027>

Proper Citation: RRID:IMSR_JAX:032027

Description: Mus musculus with name STOCK Tg(Avil-icre/ERT2)AJwo/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion A; John N Wood|Cre recombinase and estrogen receptor 1 (human) fusion gene|advillin; mutant stock: Tg(Avil-icre/ERT2)AJwo|cre/ERT2|Avil

Affected Gene: transgene insertion A; John N Wood|Cre recombinase and estrogen receptor 1 (human) fusion gene|advillin

Genomic Alteration: transgene insertion A; John N Wood

Catalog Number: JAX:032027

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Tg(Avil-icre/ERT2)AJwo/J

Record Creation Time: 20250513T053826+0000

Record Last Update: 20260919T055010+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Avil-icre/ERT2)AJwo/J.

No alerts have been found for STOCK Tg(Avil-icre/ERT2)AJwo/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Peng J, et al. (2026) Targeting G i/o -coupled GPCRs to inhibit nociceptors: insights from the serotonin receptor Htr1b and triptans. bioRxiv : the preprint server for biology.

Nassini R, et al. (2025) Targeting prostaglandin E2 receptor 2 in Schwann cells inhibits inflammatory pain but not inflammation. Nature communications, 16(1), 8262.

Mueth MG, et al. (2025) The RNA-binding protein CELF4 is a negative regulator of sensory neuron excitability and mechanical and heat behavioral sensitivity. Neurobiology of pain (Cambridge, Mass.), 18, 100184.

Wu Z, et al. (2025) The p75 neurotrophin receptor controls the skeletal stem cell niche through sensory innervation. Developmental cell.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Wang X, et al. (2023) Driving axon regeneration by orchestrating neuronal and non-neuronal innate immune responses via the IFN γ -cGAS-STING axis. Neuron, 111(2), 236.

Ames S, et al. (2023) Ca²⁺-induced myelin pathology precedes axonal spheroid formation and is mediated in part by store-operated Ca²⁺ entry after spinal cord injury. Neural regeneration research, 18(12), 2720.

Wolfson RL, et al. (2023) DRG afferents that mediate physiologic and pathologic mechanosensation from the distal colon. Cell, 186(16), 3368.

Wang H, et al. (2022) A novel spinal neuron connection for heat sensation. Neuron, 110(14), 2315.

Huang S, et al. (2021) Lgr6 marks epidermal stem cells with a nerve-dependent role in wound re-epithelialization. Cell stem cell, 28(9), 1582.

Landy MA, et al. (2021) Loss of Prdm12 during development, but not in mature nociceptors, causes defects in pain sensation. Cell reports, 34(13), 108913.

Song Y, et al. (2019) The Mechanosensitive Ion Channel Piezo Inhibits Axon Regeneration. *Neuron*, 102(2), 373.