

Resource Summary Report

Generated by T1D on Sep 22, 2026

B6.129(Cg)-Scn10a^{tm2(cre)}Jwo/TjpJ

RRID:IMSR_JAX:036564

Type: Organism

Proper Citation

RRID:IMSR_JAX:036564

Organism Information

URL: <https://www.jax.org/strain/036564>

Proper Citation: RRID:IMSR_JAX:036564

Description: Mus musculus with name B6.129(Cg)-Scn10a^{tm2(cre)}Jwo/TjpJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: sodium channel; voltage-gated; type X; alpha; mutant strain|congenic strain: Scn10a

Affected Gene: sodium channel; voltage-gated; type X; alpha

Genomic Alteration: targeted mutation 2; John N Wood

Catalog Number: JAX:036564

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.129(Cg)-Scn10a^{tm2(cre)}Jwo/TjpJ

Record Creation Time: 20250513T053854+0000

Record Last Update: 20260919T055037+0000

Ratings and Alerts

No rating or validation information has been found for B6.129(Cg)-Scn10a^{tm2(cre)}Jwo/TjpJ.

No alerts have been found for B6.129(Cg)-Scn10a^{tm2(cre)}Jwo/TjpJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Roger A, et al. (2026) Sensory neuron production of substance P and TAFA4 promotes disease tolerance during viral infection. *Immunity*, 59(3), 682.

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*.

Wan S, et al. (2026) Protocol for the precise activation of intradental neurons in mice via electrical stimulation. *STAR protocols*, 7(1), 104386.

Voisin T, et al. (2026) Skin inflammation and itch response are independently regulated by distinct nociceptor subsets. *Immunity*, 59(5), 1237.

Hayes NW, et al. (2026) IL-1 β engages distinct peripheral sensory circuits to suppress feeding across time. *bioRxiv : the preprint server for biology*.

Yu J, et al. (2026) 6-Hydroxydopamine promotes antitumor immunity through macrophage remodeling beyond sympathetic ablation. *Neuron*, 114(14), 2532.

Zhang P, et al. (2026) Sympathetic-epithelial crosstalk governs tissue-resident memory T cell immunosurveillance in the skin. *Cell*, 189(5), 1323.

Kolter J, et al. (2025) Sensory neurons shape local macrophage identity via TGF- β signaling. *Immunity*.

Passini FS, et al. (2025) Piezo2 in sensory neurons regulates systemic and adipose tissue metabolism. *Cell metabolism*, 37(4), 987.

Santiago C, et al. (2025) Activity-dependent development of the body's touch receptors. *Neuron*, 113(11), 1758.

Roy D, et al. (2024) α 2 β 1-mediated maladaptive sensory plasticity disrupts adipose tissue homeostasis following spinal cord injury. *Cell reports. Medicine*, 5(5), 101525.