

Resource Summary Report

Generated by [NIF](#) on Aug 2, 2026

B6;FVB-Ifi208^{Tg(Cspg4-cre)}1Akik/J

RRID:IMSR_JAX:008533

Type: Organism

Proper Citation

RRID:IMSR_JAX:008533

Organism Information

URL: <https://www.jax.org/strain/008533>

Proper Citation: RRID:IMSR_JAX:008533

Description: Mus musculus with name B6;FVB-Ifi208^{Tg(Cspg4-cre)}1Akik/J from IMSR.

Species: Mus musculus

Synonyms: B6;FVB-Tg(Cspg4-cre)1Akik/J

Notes: gene symbol note: chondroitin sulfate proteoglycan 4|interferon activated gene 208|; mutant stock: Cspg4|Ifi208|

Affected Gene: chondroitin sulfate proteoglycan 4|interferon activated gene 208|

Genomic Alteration: transgene insertion 1; Akiko Nishiyama

Catalog Number: JAX:008533

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;FVB-Ifi208^{Tg(Cspg4-cre)}1Akik/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260801T050413+0000

Ratings and Alerts

- Used for transgenic organism by the Human Islet Research Network community. Contact(s): [Joana Almaca](#), [Alejandro Tamayo-Garcia](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for B6;FVB-Ifi208Tg(Cspg4-cre)1Akik/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Zawieja SD, et al. (2025) Cellular characterization of the mouse collecting lymphatic vessels reveals that lymphatic muscle cells are the innate pacemaker cells. eLife, 12.

Wu M, et al. (2025) Sustained Neuronal DNA Damage and Poly(ADP-ribose) Polymerase Activation Lead to Vascular Endothelial Growth Factor A-mediated Blood-brain Barrier Disruption in Radiation-induced Brain Injury. International journal of radiation oncology, biology, physics.

Ding X, et al. (2025) OASIS: in vivo AAV-mediated transduction and genome editing of adult oligodendrocytes. bioRxiv : the preprint server for biology.

Chen H, et al. (2025) Impaired macroautophagy in oligodendrocyte precursor cells suppresses neuronal plasticity via a senescence-associated signaling. Science advances, 11(39), eadq7665.

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. Nature communications, 15(1), 10865.

Ding X, et al. (2024) Age-dependent regulation of axoglial interactions and behavior by oligodendrocyte AnkyrinG. bioRxiv : the preprint server for biology.

Li L, et al. (2023) Nuclear import carrier Hikeshi cooperates with HSP70 to promote murine oligodendrocyte differentiation and CNS myelination. Developmental cell, 58(21), 2275.

Kara N, et al. (2023) Endothelial and Leptin Receptor+ cells promote the maintenance of stem cells and hematopoiesis in early postnatal murine bone marrow. Developmental cell, 58(5), 348.

Tong L, et al. (2023) Single cell in vivo optogenetic stimulation by two-photon excitation fluorescence transfer. iScience, 26(10), 107857.

Fertuzinhos S, et al. (2022) A dominant tubulin mutation causes cerebellar neurodegeneration in a genetic model of tubulinopathy. *Science advances*, 8(7), eabf7262.

Morrison VE, et al. (2020) Retinoic Acid Is Required for Oligodendrocyte Precursor Cell Production and Differentiation in the Postnatal Mouse Corpus Callosum. *eNeuro*, 7(1).

Mateus Gonçalves L, et al. (2020) Islet pericytes convert into profibrotic myofibroblasts in a mouse model of islet vascular fibrosis. *Diabetologia*, 63(8), 1564.

Ghosh A, et al. (2020) In Vivo Cell Fate Tracing Provides No Evidence for Mesenchymal to Epithelial Transition in Adult Fallopian Tube and Uterus. *Cell reports*, 31(6), 107631.

Boulais PE, et al. (2018) The Majority of CD45- Ter119- CD31- Bone Marrow Cell Fraction Is of Hematopoietic Origin and Contains Erythroid and Lymphoid Progenitors. *Immunity*, 49(4), 627.

Palazuelos J, et al. (2014) TGF β signaling regulates the timing of CNS myelination by modulating oligodendrocyte progenitor cell cycle exit through SMAD3/4/FoxO1/Sp1. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 34(23), 7917.