

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 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: 20260725T044421+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 [dkNET](#) .

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.