Resource Summary Report

Generated by RRID on Jul 30, 2026

STOCK Tg(Cspg4-DsRed.T1)1Akik/J

RRID:IMSR_JAX:008241
Type: Organism

Proper Citation

RRID:IMSR_JAX:008241

Organism Information

URL: https://www.jax.org/strain/008241

Proper Citation: RRID:IMSR_JAX:008241

Description: Mus musculus with name STOCK Tg(Cspg4-DsRed.T1)1Akik/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: chondroitin sulfate proteoglycan 4|transgene insertion 1; Akiko Nishiyama|; mutant stock: Cspg4|Tg(Cspg4-DsRed.T1)1Akik|

Affected Gene: chondroitin sulfate proteoglycan 4|transgene insertion 1; Akiko Nishiyama|

Genomic Alteration: transgene insertion 1; Akiko Nishiyama

Catalog Number: JAX:008241

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Tg(Cspg4-DsRed.T1)1Akik/J

Record Creation Time: 20250513T053707+0000

Record Last Update: 20260725T044419+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Cspg4-DsRed.T1)1Akik/J.

No alerts have been found for STOCK Tg(Cspg4-DsRed.T1)1Akik/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 32 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Lind BL, et al. (2025) In vivo two-photon microscopy for studies of neurovascular coupling in rodents: a beginner's guide. Neurophotonics, 12(Suppl 2), S22808.

Abdelazim H, et al. (2025) Optimized enrichment of murine blood-brain barrier vessels with a critical focus on network hierarchy in post-collection analysis. Scientific reports, 15(1), 15778.

Lu Q, et al. (2025) Microglial clock dysfunction during neuroinflammation impairs oligodendrocyte progenitor cell recruitment and disrupts neuroimmune homeostasis. Frontiers in immunology, 16, 1620343.

Amoedo-Leite C, et al. (2024) Macrophages upregulate mural cell-like markers and support healing of ischemic injury by adopting functions important for vascular support. Nature cardiovascular research, 3(6), 685.

Zhang X, et al. (2024) Protocol to induce neurodegeneration in a local area of the mouse brain by stereotaxic injection. STAR protocols, 5(3), 103243.

Abdelazim H, et al. (2024) Optimized Enrichment of Murine Blood-Brain Barrier Vessels with a Critical Focus on Network Hierarchy in Post-Collection Analysis. bioRxiv : the preprint server for biology.

Zhang Y, et al. (2023) Pericytes control vascular stability and auditory spiral ganglion neuron survival. eLife, 12.

Hastings RL, et al. (2023) Cellular and molecular evidence that synaptic Schwann cells contribute to aging of mouse neuromuscular junctions. Aging cell, 22(11), e13981.

Patel DD, et al. (2022) Identification of Novel Retinal Pericyte-Targeting rAAV Vectors Through Directed Evolution. Translational vision science & technology, 11(8), 28.

Ivanova E, et al. (2022) AAV-BR1 targets endothelial cells in the retina to reveal their morphological diversity and to deliver Cx43. The Journal of comparative neurology,

530(8), 1302.

Kim JE, et al. (2022) Gut microbiota promotes stem cell differentiation through macrophage and mesenchymal niches in early postnatal development. Immunity, 55(12), 2300.

Sánchez-de la Torre A, et al. (2022) Cannabinoid CB1 receptor gene inactivation in oligodendrocyte precursors disrupts oligodendrogenesis and myelination in mice. Cell death & disease, 13(7), 585.

Ayloo S, et al. (2022) Pericyte-to-endothelial cell signaling via vitronectin-integrin regulates blood-CNS barrier. Neuron, 110(10), 1641.

Muhl L, et al. (2022) A single-cell transcriptomic inventory of murine smooth muscle cells. Developmental cell, 57(20), 2426.

Hariharan A, et al. (2022) Brain capillary pericytes are metabolic sentinels that control blood flow through a KATP channel-dependent energy switch. Cell reports, 41(13), 111872.

Richards M, et al. (2021) Intra-vessel heterogeneity establishes enhanced sites of macromolecular leakage downstream of laminin ?5. Cell reports, 35(12), 109268.

Huerga-Gómez A, et al. (2021) ?9 -Tetrahydrocannabinol promotes oligodendrocyte development and CNS myelination in vivo. Glia, 69(3), 532.

Sivaraj KK, et al. (2021) Regional specialization and fate specification of bone stromal cells in skeletal development. Cell reports, 36(2), 109352.

Nemes-Baran AD, et al. (2021) Quantification of microglial contact and engulfment of oligodendrocyte progenitor cells in the rodent brain. STAR protocols, 2(2), 100403.

Castro R, et al. (2020) Specific labeling of synaptic schwann cells reveals unique cellular and molecular features. eLife, 9.