

Resource Summary Report

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

C57BL/6-Tg(Nes-cre/ERT2)KEisc/J

RRID:IMSR_JAX:016261

Type: Organism

Proper Citation

RRID:IMSR_JAX:016261

Organism Information

URL: <https://www.jax.org/strain/016261>

Proper Citation: RRID:IMSR_JAX:016261

Description: Mus musculus with name C57BL/6-Tg(Nes-cre/ERT2)KEisc/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |transgene insertion K; Amelia Eisch|nestin; coisogenic strain|mutant strain: |Tg(Nes-cre/ERT2)KEisc|Nes

Affected Gene: |transgene insertion K; Amelia Eisch|nestin

Genomic Alteration: transgene insertion K; Amelia Eisch

Catalog Number: JAX:016261

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Nes-cre/ERT2)KEisc/J

Record Creation Time: 20250513T053730+0000

Record Last Update: 20260801T050435+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Nes-cre/ERT2)KEisc/J.

No alerts have been found for C57BL/6-Tg(Nes-cre/ERT2)KEisc/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 108 mentions in open access literature.

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

Matsubara S, et al. (2025) Epigenetic regulation of neural stem cell aging in the mouse hippocampus by Setd8 downregulation. *The EMBO journal*, 44(13), 3645.

Swaidan R, et al. (2025) Rb substantially compensates for the double loss of p130 and p107 in adult but not embryonic neural stem cell lineages. *Cell death & disease*, 16(1), 511.

Lee W, et al. (2025) Cyclin-dependent kinase inhibitor p18 regulates lineage transitions of excitatory neurons, astrocytes, and interneurons in the mouse cortex. *The EMBO journal*, 44(2), 382.

Srinivasan S, et al. (2025) Transient reactivation of small ensembles of adult-born neurons during REM sleep supports memory consolidation in mice. *Nature communications*, 16(1), 7210.

Lei B, et al. (2025) Reconstructing a new hippocampal engram for systems reconsolidation and remote memory updating. *Neuron*, 113(3), 471.

Li Z, et al. (2025) Lactate shuttling links histone lactylation to adult hippocampal neurogenesis in mice. *Developmental cell*, 60(8), 1182.

Chen SW, et al. (2025) ECM29/proteasome-mediated self-antigen generation by CNS-resident neuroglia promotes regulatory T cell activation. *Cell reports*, 44(1), 115161.

Chu B, et al. (2025) S-nitros(yl)ation of CaMKII γ and its precision redox regulation by SNOTAC plays a critical role in learning and memory. *Redox biology*, 86, 103784.

Zhao F, et al. (2025) An optimized click chemistry method allows visualization of proliferating neuronal progenitors in the mouse brain. *Cell reports methods*, 5(11), 101208.

Sharma D, et al. (2025) A myeloid Tet2-IL-1 β axis modulates intestinal inflammation by restricting catecholaminergic stimulation of enterochromaffin cell differentiation. *Immunity*, 58(11), 2785.

Fahey E, et al. (2025) Endothelial IL-36 receptor activation promotes vascular stability to limit pathological microvessel permeability in the CNS. *Cell reports*, 44(11), 116549.

Chu CH, et al. (2025) Nuclear paxillin functions as a molecular switch for alternative splicing in neurons during a critical period of brain development. *The EMBO journal*.

Choe S, et al. (2024) Chronic unpredictable stress induces autophagic death of adult hippocampal neural stem cells. *Molecular brain*, 17(1), 31.

Islam R, et al. (2024) Inhibition of Apoptosis in a Model of Ischemic Stroke Leads to Enhanced Cell Survival, Endogenous Neural Precursor Cell Activation and Improved Functional Outcomes. *International journal of molecular sciences*, 25(3).

Liu Y, et al. (2024) Extracellular vesicles from UTX-knockout endothelial cells boost neural stem cell differentiation in spinal cord injury. *Cell communication and signaling : CCS*, 22(1), 155.

Nath S, et al. (2024) Interaction between subventricular zone microglia and neural stem cells impacts the neurogenic response in a mouse model of cortical ischemic stroke. *Nature communications*, 15(1), 9095.

Laham BJ, et al. (2024) Adult-born granule cells modulate CA2 network activity during retrieval of developmental memories of the mother. *eLife*, 12.

Yan J, et al. (2024) Disrupted de novo pyrimidine biosynthesis impairs adult hippocampal neurogenesis and cognition in pyridoxine-dependent epilepsy. *Science advances*, 10(14), eadl2764.

Jain S, et al. (2024) Increasing adult-born neurons protects mice from epilepsy. *eLife*, 12.

Fukuda M, et al. (2024) Inhibition of HDAC8 Reduces the Proliferation of Adult Neural Stem Cells in the Subventricular Zone. *International journal of molecular sciences*, 25(5).