

Resource Summary Report

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B6.Cg-Tg(Nes-cre)1Kln/J

RRID:IMSR_JAX:003771

Type: Organism

Proper Citation

RRID:IMSR_JAX:003771

Organism Information

URL: <https://www.jax.org/strain/003771>

Proper Citation: RRID:IMSR_JAX:003771

Description: Mus musculus with name B6.Cg-Tg(Nes-cre)1Kln/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg(SJL)-TgN(NesCre)1Kln. B6.Cg(SJL)-Tg(Nes-cre)1Kln/J

Notes: gene symbol note: |transgene insertion 1; Rudiger Klein|nestin||transgene insertion 1; Rudiger Klein|nestin; mutant strain: |Tg(Nes-cre)1Kln|Nes||Tg(Nes-cre)1Kln|Nes

Affected Gene: |transgene insertion 1; Rudiger Klein|nestin||transgene insertion 1; Rudiger Klein|nestin

Genomic Alteration: transgene insertion 1; Rudiger Klein

Catalog Number: JAX:003771

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:3771

Organism Name: B6.Cg-Tg(Nes-cre)1Kln/J

Record Creation Time: 20230509T193242+0000

Record Last Update: 20250412T090302+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Nes-cre)1Kln/J.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human cerebral cavernous malformation 2.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 195 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Voglewede MM, et al. (2024) Loss of the polarity protein Par3 promotes dendritic spine neoteny and enhances learning and memory. *iScience*, 27(7), 110308.

Duvick L, et al. (2024) Mapping SCA1 regional vulnerabilities reveals neural and skeletal muscle contributions to disease. *JCI insight*, 9(9).

Chandía-Cristi A, et al. (2024) Prophylactic treatment with the c-Abl inhibitor, neurotinib, diminishes neuronal damage and the convulsive state in pilocarpine-induced mice. *Cell reports*, 43(5), 114144.

Zhang Y, et al. (2024) PRRC2B modulates oligodendrocyte progenitor cell development and myelination by stabilizing Sox2 mRNA. *Cell reports*, 43(3), 113930.

Zhang X, et al. (2024) Cell-type specific circadian transcription factor BMAL1 roles in excitotoxic hippocampal lesions to enhance neurogenesis. *iScience*, 27(2), 108829.

Liu X, et al. (2024) Dynamic regulation of alternative polyadenylation by PQBP1 during neurogenesis. *Cell reports*, 43(8), 114525.

Wong CK, et al. (2024) Central glucagon-like peptide 1 receptor activation inhibits Toll-like receptor agonist-induced inflammation. *Cell metabolism*, 36(1), 130.

Jahncke JN, et al. (2024) Tools for Cre-Mediated Conditional Deletion of Floxed Alleles from

Developing Cerebellar Purkinje Cells. *eNeuro*, 11(6).

Bertino F, et al. (2024) Dysregulation of FLVCR1a-dependent mitochondrial calcium handling in neural progenitors causes congenital hydrocephalus. *Cell reports. Medicine*, 5(7), 101647.

Jones DJ, et al. (2024) Effective knockdown-replace gene therapy in a novel mouse model of DNM1 developmental and epileptic encephalopathy. *Molecular therapy : the journal of the American Society of Gene Therapy*, 32(10), 3318.

Lu D, et al. (2024) ESCRT-I protein UBAP1 controls ventricular expansion and cortical neurogenesis via modulating adherens junctions of radial glial cells. *Cell reports*, 43(3), 113818.

Zha X, et al. (2024) Microbiota-derived lysophosphatidylcholine alleviates Alzheimer's disease pathology via suppressing ferroptosis. *Cell metabolism*.

Kim N, et al. (2024) Repulsive Sema3E-Plexin-D1 signaling coordinates both axonal extension and steering via activating an autoregulatory factor, Mtss1. *eLife*, 13.

Wang L, et al. (2024) Fasting-activated ventrolateral medulla neurons regulate T cell homing and suppress autoimmune disease in mice. *Nature neuroscience*, 27(3), 462.

Gauberg J, et al. (2024) Spinal motor neuron development and metabolism are transcriptionally regulated by Nuclear Factor IA. *bioRxiv : the preprint server for biology*.

Huang H, et al. (2024) Astrocytic RAR γ mediates hippocampal astrocytosis and neurogenesis deficits in chronic retinoic acid-induced depression. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*.

Jahncke JN, et al. (2024) Tools for Cre-mediated conditional deletion of floxed alleles from developing cerebellar Purkinje cells. *bioRxiv : the preprint server for biology*.

Vogiatzi A, et al. (2023) Development of Erf-Mediated Craniosynostosis and Pharmacological Amelioration. *International journal of molecular sciences*, 24(9).

Joshi S, et al. (2023) Limbic progesterone receptors regulate spatial memory. *Scientific reports*, 13(1), 2164.

Zhang X, et al. (2023) Bulk and mosaic deletions of Egfr reveal regionally defined gliogenesis in the developing mouse forebrain. *iScience*, 26(3), 106242.