Resource Summary Report

Generated by kravitz2 on Sep 18, 2026

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|; mutant strain|congenic strain: Tg(Nes-cre)1Kln|Nes|

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

Genomic Alteration: transgene insertion 1; Rudiger Klein

Catalog Number: JAX:003771

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053641+0000

Record Last Update: 20260912T060425+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: JAX Mice and Services

Usage and Citation Metrics

We found 212 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Allende Labastida J, et al. (2026) Loss of Fatty Acid Oxidation by Neural Stem and Progenitor Cells Increases Proliferation but Does Not Improve Long-Term Neurogenesis After Mild Traumatic Brain Injury. ASN neuro, 18(1), 2610198.

Yang X, et al. (2025) Neuronal LAG3 facilitates pathogenic ?-synuclein neuron-to-neuron propagation. bioRxiv : the preprint server for biology.

Fan JJ, et al. (2025) A forward genetic screen identifies potassium channel essentiality in SHH medulloblastoma maintenance. Developmental cell, 60(11), 1532.

McLeod CM, et al. (2025) A New Targeted Transgenic Mouse Line for the Study of Protocadherin ?C4. Genesis (New York, N.Y. : 2000), 63(1), e70010.

Prakash P, et al. (2025) Myelin pathology is a key feature of X-linked Dystonia Parkinsonism. bioRxiv : the preprint server for biology.

Chandler ML, et al. (2025) Subunit-specific roles of LRRC8 proteins in determining glutamate permeability of astrocytic volume-regulated anion channels. bioRxiv : the preprint server for biology.

Dhar SS, et al. (2025) Heterozygous Kmt2d loss diminishes enhancers to render medulloblastoma cells vulnerable to combinatory inhibition of LSD1 and OXPHOS. Cell reports, 44(5), 115619.

Barahona RA, et al. (2025) Aggrecan protects against plaque accumulation and is essential for proper microglial responses to plaques. Cell reports, 44(8), 116064.

Lee Y, et al. (2025) Brain-wide mapping of immune receptors uncovers a neuromodulatory role of IL-17E and the receptor IL-17RB. Cell, 188(8), 2203.

Zhang W, et al. (2025) Genome writing to dissect consequences of SVA retrotransposon disease X-Linked Dystonia Parkinsonism. bioRxiv : the preprint server for biology.

Medina-Menéndez C, et al. (2025) Sox5 controls the establishment of quiescence in neural stem cells during postnatal development. PLoS biology, 23(7), e3002654.

McKinsey GL, et al. (2025) Radial glia integrin avb8 regulates cell autonomous microglial TGF?1 signaling that is necessary for microglial identity. Nature communications, 16(1), 2840.

Molinaro A, et al. (2025) Ablation of PI3K? in neurons protects mice from diet-induced obesity MASLD and insulin resistance. iScience, 28(1), 111562.

Estevez I, et al. (2025) The kinase RIPK3 promotes neuronal survival by suppressing excitatory neurotransmission during central nervous system viral infection. Immunity, 58(3), 666.

Zhang L, et al. (2025) Deficiency of neuronal LGR4 increases energy expenditure and inhibits food intake via hypothalamic leptin signaling. EMBO reports, 26(8), 2098.

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

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.

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

Tavares MR, et al. (2024) Growth Hormone Receptor in Lateral Hypothalamic Neurons Is Required for Increased Food-Seeking Behavior during Food Restriction in Male Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(47).