

Resource Summary Report

Generated by ASWG on Sep 19, 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: nestin|transgene insertion 1; Rudiger Klein|; mutant strain|congenic strain: Nes|Tg(Nes-cre)1Kln|

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

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: 20260919T054831+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 [ASWG](#) .

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.

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.

Yang X, et al. (2025) Neuronal LAG3 facilitates pathogenic ?-synuclein neuron-to-neuron propagation. *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*.

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

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

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.

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

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.

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

Molinaro A, et al. (2025) Ablation of PI3K γ 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.

McKinsey GL, et al. (2025) Radial glia integrin α VB8 regulates cell autonomous microglial TGF β 1 signaling that is necessary for microglial identity. *Nature communications*, 16(1), 2840.

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.

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).

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.

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).