Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 11, 2025

C57BL/6J-Tg(Nkx2-1-cre)2Sand/J

RRID:IMSR_JAX:008661
Type: Organism

Proper Citation

RRID:IMSR_JAX:008661

Organism Information

URL: https://www.jax.org/strain/008661

Proper Citation: RRID:IMSR_JAX:008661

Description: Mus musculus with name C57BL/6J-Tg(Nkx2-1-cre)2Sand/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Tg(Nkx2-1-cre)2Qixu/J

Notes: gene symbol note: NK2 homeobox 1|transgene insertion 2; Stewart Anderson|; coisogenic strain: Nkx2-1|Tg(Nkx2-1-cre)2Sand|

Affected Gene: NK2 homeobox 1|transgene insertion 2; Stewart Anderson|

Genomic Alteration: transgene insertion 2; Stewart Anderson

Catalog Number: JAX:008661

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:8661

Organism Name: C57BL/6J-Tg(Nkx2-1-cre)2Sand/J

Record Creation Time: 20230509T193258+0000

Record Last Update: 20240104T174926+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Tg(Nkx2-1-cre)2Sand/J.

No alerts have been found for C57BL/6J-Tg(Nkx2-1-cre)2Sand/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Cai Y, et al. (2024) Embryonic origins of forebrain oligodendrocytes revisited by combinatorial genetic fate mapping. eLife, 13.

Caccavano AP, et al. (2024) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. bioRxiv : the preprint server for biology.

Raudales R, et al. (2024) Specific and comprehensive genetic targeting reveals brain-wide distribution and synaptic input patterns of GABAergic axo-axonic interneurons. eLife, 13.

Gao KM, et al. (2024) Endothelial cell expression of a STING gain-of-function mutation initiates pulmonary lymphocytic infiltration. Cell reports, 43(4), 114114.

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.

Schoultz E, et al. (2023) Tissue specificity of oncogenic BRAF targeted to lung and thyroid through a shared lineage factor. iScience, 26(7), 107071.

Johansson Y, et al. (2023) Sensory processing in external globus pallidus neurons. Cell reports, 42(1), 111952.

Maes B, et al. (2022) The STE20 kinase TAOK3 controls the development of house dust mite-induced asthma in mice. The Journal of allergy and clinical immunology, 149(4), 1413.

Turrero García M, et al. (2021) Transcriptional profiling of sequentially generated septal neuron fates. eLife, 10.

Ma T, et al. (2021) Decoding neuronal composition and ontogeny of individual hypothalamic nuclei. Neuron, 109(7), 1150.

Ketzef M, et al. (2021) Differential Synaptic Input to External Globus Pallidus Neuronal Subpopulations In Vivo. Neuron, 109(3), 516.

Aristieta A, et al. (2021) A Disynaptic Circuit in the Globus Pallidus Controls Locomotion Inhibition. Current biology : CB, 31(4), 707.

Zhang YH, et al. (2021) Cascade diversification directs generation of neuronal diversity in the hypothalamus. Cell stem cell, 28(8), 1483.

Marfull-Oromí P, et al. (2021) Genetic ablation of the Rho GTPase Rnd3 triggers developmental defects in internal capsule and the globus pallidus formation. Journal of neurochemistry, 158(2), 197.

Luo L, et al. (2020) Optimizing Nervous System-Specific Gene Targeting with Cre Driver Lines: Prevalence of Germline Recombination and Influencing Factors. Neuron, 106(1), 37.

Ekins TG, et al. (2020) Emergence of non-canonical parvalbumin-containing interneurons in hippocampus of a murine model of type I lissencephaly. eLife, 9.

Borrett MJ, et al. (2020) Single-Cell Profiling Shows Murine Forebrain Neural Stem Cells Reacquire a Developmental State when Activated for Adult Neurogenesis. Cell reports, 32(6), 108022.

Carriere CH, et al. (2020) The ?-Protocadherins Regulate the Survival of GABAergic Interneurons during Developmental Cell Death. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(45), 8652.

Hamodi AS, et al. (2020) Transverse sinus injections drive robust whole-brain expression of transgenes. eLife, 9.

Mahadevan V, et al. (2020) Translatome Analyses Using Conditional Ribosomal Tagging in GABAergic Interneurons and Other Sparse Cell Types. Current protocols in neuroscience, 92(1), e93.