

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

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

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

Genomic Alteration: transgene insertion 2; Stewart Anderson

Catalog Number: JAX:008661

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

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

Record Creation Time: 20250513T053710+0000

Record Last Update: 20260725T044421+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: JAX Mice and Services

Usage and Citation Metrics

We found 41 mentions in open access literature.

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

Vaasjo LO, et al. (2025) Dendritic inhibition terminates plateau potentials in CA1 pyramidal neurons. bioRxiv : the preprint server for biology.

Shen Y, et al. (2025) m6A deficiency impairs hypothalamic neurogenesis of feeding-related neurons in mice and human organoids and leads to adult obesity in mice. Cell stem cell, 32(5), 727.

Koene LMC, et al. (2025) Cellular and synaptic properties of molecularly defined neurons in the external globus pallidus. iScience, 28(8), 113002.

Ghezzi F, et al. (2025) GABAergic circuits reflect different requirements for sensory integration in postnatal mouse neocortex. Cell reports, 44(10), 116299.

Kim JH, et al. (2025) Discrete interneuron subsets participate in GluN1/GluN3A excitatory glycine receptor (eGlyR)-mediated regulation of hippocampal network activity throughout development and evolution. bioRxiv : the preprint server for biology.

Francavilla R, et al. (2025) Syngap1 regulates the synaptic drive and membrane excitability of Parvalbumin-positive interneurons in mouse auditory cortex. eLife, 13.

Caccavano AP, et al. (2025) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. Neuron, 113(11), 1805.

Mostajo-Radji MA, et al. (2025) Fate plasticity of interneuron specification. iScience, 28(4), 112295.

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.

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

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.

Corrigan EK, et al. (2024) Conservation, alteration, and redistribution of mammalian striatal interneurons. *bioRxiv : the preprint server for biology*.

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.

Schultz 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 TAO3 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.