

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

STOCK Nkx2-1^{tm2.1(flpo)}Zjh/J

RRID:IMSR_JAX:028577

Type: Organism

Proper Citation

RRID:IMSR_JAX:028577

Organism Information

URL: <https://www.jax.org/strain/028577>

Proper Citation: RRID:IMSR_JAX:028577

Description: Mus musculus with name STOCK Nkx2-1^{tm2.1(flpo)}Zjh/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: NK2 homeobox 1|; mutant stock: Nkx2-1|

Affected Gene: NK2 homeobox 1|

Genomic Alteration: targeted mutation 2.1; Z Josh Huang

Catalog Number: JAX:028577

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Nkx2-1^{tm2.1(flpo)}Zjh/J

Record Creation Time: 20250513T053805+0000

Record Last Update: 20260905T044542+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Nkx2-1^{tm2.1(flpo)}Zjh/J.

No alerts have been found for STOCK Nkx2-1^{tm2.1(flpo)}Zjh/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Micoli E, et al. (2025) A single-cell transcriptomic atlas of developing inhibitory neurons reveals expanding and contracting modes of diversification. bioRxiv : the preprint server for biology.

Warren R, et al. (2024) Cell competition drives bronchiolization and pulmonary fibrosis. Research square.

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.

Warren R, et al. (2024) Cell competition drives bronchiolization and pulmonary fibrosis. Nature communications, 15(1), 10624.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. Nature, 627(8005), 830.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.

Lyu H, et al. (2022) Niche-mediated repair of airways is directed in an occupant-dependent manner. Cell reports, 41(12), 111863.

Hou Y, et al. (2021) Topographical organization of mammillary neurogenesis and efferent projections in the mouse brain. Cell reports, 34(6), 108712.

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

Abecassis ZA, et al. (2020) Npas1+-Nkx2.1+ Neurons Are an Integral Part of the Cortico-pallido-cortical Loop. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(4), 743.

Kelly SM, et al. (2018) Radial Glial Lineage Progression and Differential Intermediate Progenitor Amplification Underlie Striatal Compartments and Circuit Organization. Neuron, 99(2), 345.

Paul A, et al. (2017) Transcriptional Architecture of Synaptic Communication Delineates GABAergic Neuron Identity. Cell, 171(3), 522.