Resource Summary Report

Generated by dkNET on Aug 6, 2026

B6N.Cg-Sst$^{tm2.1(cre)Zjh}$/J

RRID:IMSR_JAX:018973
Type: Organism

Proper Citation

RRID:IMSR_JAX:018973

Organism Information

URL: https://www.jax.org/strain/018973

Proper Citation: RRID:IMSR_JAX:018973

Description: Mus musculus with name B6N.Cg-Sst$^{tm2.1(cre)Zjh}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: somatostatin|; mutant strain|congenic strain: Sst|

Affected Gene: somatostatin|

Genomic Alteration: targeted mutation 2.1; Z Josh Huang

Catalog Number: JAX:018973

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6N.Cg-Sst$^{tm2.1(cre)Zjh}$/J

Record Creation Time: 20250513T053739+0000

Record Last Update: 20260801T050501+0000

Ratings and Alerts

No rating or validation information has been found for B6N.Cg-Sst$^{tm2.1(cre)Zjh}$/J.

No alerts have been found for B6N.Cg-Sst$^{tm2.1(cre)Zjh}$/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 dkNET .

Moissidis M, et al. (2025) A postnatal molecular switch drives activity-dependent maturation of parvalbumin interneurons. Cell.

Petroccione MA, et al. (2025) An unsuspected physiological role for mGluRIII glutamate receptors in hippocampal area CA1. bioRxiv : the preprint server for biology.

Long Z, et al. (2025) Intravital observation of neuronal and immune cell dynamics in the developing mammalian brain. Cell.

Montgomery DP, et al. (2025) Responses to conflicting binocular stimuli in mouse primary visual cortex. bioRxiv : the preprint server for biology.

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.

de la Torre-Martínez R, et al. (2025) Presynaptic and postsynaptic determinants of claustro-cortical connectivity. Current biology : CB, 35(13), 3174.

Fisher J, et al. (2024) Cortical somatostatin long-range projection neurons and interneurons exhibit divergent developmental trajectories. Neuron, 112(4), 558.

Kiritoshi T, et al. (2024) Cells and circuits for amygdala neuroplasticity in the transition to chronic pain. Cell reports, 43(9), 114669.

Mòdol L, et al. (2024) Somatostatin interneurons control the timing of developmental desynchronization in cortical networks. Neuron, 112(12), 2015.

Heindorf M, et al. (2024) Antipsychotic drugs selectively decorrelate long-range interactions in deep cortical layers. eLife, 12.

Huang TH, et al. (2023) Differential expression of GABAA receptor subunits ? and ?6 mediates tonic inhibition in parvalbumin and somatostatin interneurons in the mouse hippocampus. Frontiers in cellular neuroscience, 17, 1146278.

Hashimoto A, et al. (2023) Microglia enable cross-modal plasticity by removing inhibitory synapses. Cell reports, 42(5), 112383.

Dos Santos WO, et al. (2023) Growth Hormone Action in Somatostatin Neurons Regulates Anxiety and Fear Memory. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(40), 6816.

Espinosa N, et al. (2022) Optogenetic Suppression of Lateral Septum Somatostatin Neurons Enhances Hippocampus Cholinergic Theta Oscillations and Local Synchrony. Brain sciences, 13(1).

Tokarska A, et al. (2022) GABAergic interneurons expressing the ?2 nicotinic receptor subunit are functionally integrated in the striatal microcircuit. Cell reports, 39(8), 110842.

Mork BE, et al. (2022) Sphingosine-1-phosphate receptor 1 agonist SEW2871 alters membrane properties of late-firing somatostatin expressing neurons in the central lateral amygdala. Neuropharmacology, 203, 108885.

Stujenske JM, et al. (2022) Prelimbic cortex drives discrimination of non-aversion via amygdala somatostatin interneurons. Neuron, 110(14), 2258.

Moinho TM, et al. (2022) Simple method to induce denaturation of fluorescent proteins in free-floating brain slices. Journal of neuroscience methods, 371, 109500.

Matityahu L, et al. (2022) A tonic nicotinic brake controls spike timing in striatal spiny projection neurons. eLife, 11.

Chaves FM, et al. (2022) Effects of the Isolated and Combined Ablation of Growth Hormone and IGF-1 Receptors in Somatostatin Neurons. Endocrinology, 163(5).