

Resource Summary Report

Generated by SPARC SAWG on Jul 29, 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: 20260725T044447+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 [SPARC SAWG](#) .

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 claustrum-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 $\alpha 1$ and $\alpha 6$ 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 $\alpha 2$ 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).