Resource Summary Report

Generated by NIF on Sep 1, 2026

STOCK Sst$^{tm3.1(flpo)Zjh}$/J

RRID:IMSR_JAX:028579
Type: Organism

Proper Citation

RRID:IMSR_JAX:028579

Organism Information

URL: https://www.jax.org/strain/028579

Proper Citation: RRID:IMSR_JAX:028579

Description: Mus musculus with name STOCK Sst$^{tm3.1(flpo)Zjh}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: somatostatin|; mutant stock: Sst|

Affected Gene: somatostatin|

Genomic Alteration: targeted mutation 3.1; Z Josh Huang

Catalog Number: JAX:028579

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Sst$^{tm3.1(flpo)Zjh}$/J

Record Creation Time: 20250513T053805+0000

Record Last Update: 20260829T045111+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Sst$^{tm3.1(flpo)Zjh}$/J.

No alerts have been found for STOCK Sst$^{tm3.1(flpo)Zjh}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Park E, et al. (2025) Somatostatin neurons detect stimulus-reward contingencies to reduce neocortical inhibition during learning. Cell reports, 44(5), 115606.

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

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

Choi J, et al. (2024) ARNT2 controls prefrontal somatostatin interneurons mediating affective empathy. Cell reports, 43(9), 114659.

Drake AW, et al. (2024) Somatostatin interneuron fate-mapping and structure in a Pten knockout model of epilepsy. Frontiers in cellular neuroscience, 18, 1474613.

Wu YT, et al. (2022) Quantitative relationship between cerebrovascular network and neuronal cell types in mice. Cell reports, 39(12), 110978.

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

Cummings KA, et al. (2022) Control of fear by discrete prefrontal GABAergic populations encoding valence-specific information. Neuron, 110(18), 3036.

Ren C, et al. (2022) Global and subtype-specific modulation of cortical inhibitory neurons regulated by acetylcholine during motor learning. Neuron, 110(14), 2334.

Gillespie TH, et al. (2022) The Neuron Phenotype Ontology: A FAIR Approach to Proposing and Classifying Neuronal Types. Neuroinformatics, 20(3), 793.

Bellusci L, et al. (2022) Interactions between Brainstem Neurons That Regulate the Motility to the Stomach. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(26), 5212.

Sakamoto M, et al. (2022) A Flp-dependent G-CaMP9a transgenic mouse for neuronal imaging in vivo. Cell reports methods, 2(2), 100168.

Graybuck LT, et al. (2021) Enhancer viruses for combinatorial cell-subclass-specific labeling. Neuron, 109(9), 1449.

Favuzzi E, et al. (2021) GABA-receptive microglia selectively sculpt developing inhibitory circuits. Cell, 184(15), 4048.

Holly EN, et al. (2021) Striatal low-threshold spiking interneurons locally gate dopamine. Current biology : CB, 31(18), 4139.

Gatto G, et al. (2021) A Functional Topographic Map for Spinal Sensorimotor Reflexes. Neuron, 109(1), 91.

Jin H, et al. (2021) Top-Down Control of Sweet and Bitter Taste in the Mammalian Brain. Cell, 184(1), 257.

Keller AJ, et al. (2020) A Disinhibitory Circuit for Contextual Modulation in Primary Visual Cortex. Neuron, 108(6), 1181.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. Cell, 183(4), 935.

Hartley ND, et al. (2019) Dynamic remodeling of a basolateral-to-central amygdala glutamatergic circuit across fear states. Nature neuroscience, 22(12), 2000.