

Resource Summary Report

Generated by [dkNET](#) on Aug 10, 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: 20260808T051004+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 [dkNET](#) .

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.