Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 14, 2025

STOCK Sst$^{tm2.1(cre)Zjh}$/J

RRID:IMSR_JAX:013044
Type: Organism

Proper Citation

RRID:IMSR_JAX:013044

Organism Information

URL: https://www.jax.org/strain/013044

Proper Citation: RRID:IMSR_JAX:013044

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

Species: Mus musculus

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

Affected Gene: somatostatin|

Genomic Alteration: targeted mutation 2.1; Z Josh Huang

Catalog Number: JAX:013044

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:13044

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

Record Creation Time: 20230509T193305+0000

Record Last Update: 20250412T090543+0000

Ratings and Alerts

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

No alerts have been found for STOCK Sst$^{tm2.1(cre)Zjh}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 307 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zhang CL, et al. (2024) Learning-dependent gating of hippocampal inputs by frontal interneurons. Proceedings of the National Academy of Sciences of the United States of America, 121(45), e2403325121.

Kim T, et al. (2024) Developmental changes in mouse motor skill learning and cortical circuitry. bioRxiv : the preprint server for biology.

Wang Z, et al. (2024) Modulation of learning safety signals by acute stress: paraventricular thalamus and prefrontal inhibition. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology, 49(6), 961.

Furutachi S, et al. (2024) Cooperative thalamocortical circuit mechanism for sensory prediction errors. Nature, 633(8029), 398.

Hainmueller T, et al. (2024) Subfield-specific interneuron circuits govern the hippocampal response to novelty in male mice. Nature communications, 15(1), 714.

de Brito Van Velze M, et al. (2024) Feedforward and disinhibitory circuits differentially control activity of cortical somatostatin interneurons during behavioral state transitions. Cell reports, 43(5), 114197.

Rolón-Martínez S, et al. (2024) Cell-specific inhibitory modulation of sound processing in the auditory thalamus. bioRxiv : the preprint server for biology.

Campbell PW, et al. (2024) Development of reciprocal connections between the dorsal lateral geniculate nucleus and the thalamic reticular nucleus. Neural development, 19(1), 6.

Osanai Y, et al. (2024) 5' Transgenes drive leaky expression of 3' transgenes in Cre-inducible bi-cistronic vectors. Molecular therapy. Methods & clinical development, 32(3), 101288.

Huang Z, et al. (2024) A disinhibitory microcircuit of the orbitofrontal cortex mediates cocaine preference in mice. Molecular psychiatry, 29(10), 3160.

Caccavano AP, et al. (2024) Divergent opioid-mediated suppression of inhibition between hippocampus and neocortex across species and development. bioRxiv : the preprint server for biology.

Liu M, et al. (2024) Parvalbumin and Somatostatin: Biomarkers for Two Parallel Tectothalamic Pathways in the Auditory Midbrain. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(10).

Qi L, et al. (2024) A mouse DRG genetic toolkit reveals morphological and physiological diversity of somatosensory neuron subtypes. Cell, 187(6), 1508.

Huang YC, et al. (2024) Dynamic assemblies of parvalbumin interneurons in brain oscillations. Neuron, 112(15), 2600.

DePiero VJ, et al. (2024) Transformation of Motion Pattern Selectivity from Retina to Superior Colliculus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(20).

Tamboli S, et al. (2024) Mouse hippocampal CA1 VIP interneurons detect novelty in the environment and support recognition memory. Cell reports, 43(4), 114115.

Fetcho RN, et al. (2024) A stress-sensitive frontostriatal circuit supporting effortful reward-seeking behavior. Neuron, 112(3), 473.

Chen G, et al. (2024) Cellular and circuit architecture of the lateral septum for reward processing. Neuron, 112(16), 2783.

Ba W, et al. (2024) A REM-active basal ganglia circuit that regulates anxiety. Current biology : CB, 34(15), 3301.

Hegedüs P, et al. (2024) Parvalbumin-expressing basal forebrain neurons mediate learning from negative experience. Nature communications, 15(1), 4768.