Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 23, 2025

STOCK Vip$^{tm1(cre)Zjh}$/J

RRID:IMSR_JAX:010908
Type: Organism

Proper Citation

RRID:IMSR_JAX:010908

Organism Information

URL: https://www.jax.org/strain/010908

Proper Citation: RRID:IMSR_JAX:010908

Description: Mus musculus with name STOCK Vip$^{tm1(cre)Zjh}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: vasoactive intestinal polypeptide|; mutant stock: Vip|

Affected Gene: vasoactive intestinal polypeptide|

Genomic Alteration: targeted mutation 1; Z Josh Huang

Catalog Number: JAX:010908

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:10908

Organism Name: STOCK Vip$^{tm1(cre)Zjh}$/J

Record Creation Time: 20230509T193303+0000

Record Last Update: 20250412T090535+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Vip$^{tm1(cre)Zjh}$/J.

No alerts have been found for STOCK Vip$^{tm1(cre)Zjh}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 113 mentions in open access literature.

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

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

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).

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

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

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

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.

Murdock MH, et al. (2024) Multisensory gamma stimulation promotes glymphatic clearance of amyloid. Nature, 627(8002), 149.

Sung K, et al. (2024) ErbB4 precludes the occurrence of PTSD-like fear responses by supporting the bimodal activity of the central amygdala. Experimental & molecular medicine, 56(12), 2703.

Jamali S, et al. (2024) Parallel mechanisms signal a hierarchy of sequence structure violations in the auditory cortex. eLife, 13.

Hartung J, et al. (2024) Layer 1 NDNF interneurons are specialized top-down master

regulators of cortical circuits. Cell reports, 43(5), 114212.

Thompson SM, et al. (2023) Acute alcohol and chronic drinking bidirectionally regulate the excitability of prefrontal cortex vasoactive intestinal peptide interneurons. bioRxiv : the preprint server for biology.

Tobin M, et al. (2023) Localist versus distributed representation of sounds in the auditory cortex controlled by distinct inhibitory neuronal subtypes. bioRxiv : the preprint server for biology.

Kiritani T, et al. (2023) Membrane potential dynamics of excitatory and inhibitory neurons in mouse barrel cortex during active whisker sensing. PloS one, 18(6), e0287174.

Drotos AC, et al. (2023) GluN2D-containing NMDA receptors enhance temporal integration in VIP neurons in the inferior colliculus. bioRxiv : the preprint server for biology.

Yao S, et al. (2023) A whole-brain monosynaptic input connectome to neuron classes in mouse visual cortex. Nature neuroscience, 26(2), 350.

Liu Y, et al. (2023) Mapping visual functions onto molecular cell types in the mouse superior colliculus. Neuron, 111(12), 1876.

C?lin A, et al. (2023) A genetically targeted ion sensor reveals distinct seizure-related chloride and pH dynamics in GABAergic interneuron populations. iScience, 26(4), 106363.

Li B, et al. (2023) Circuit mechanism for suppression of frontal cortical ignition during NREM sleep. Cell, 186(26), 5739.

Chadwick A, et al. (2023) Learning shapes cortical dynamics to enhance integration of relevant sensory input. Neuron, 111(1), 106.

Shin D, et al. (2023) Narrowband gamma oscillations propagate and synchronize throughout the mouse thalamocortical visual system. Neuron, 111(7), 1076.