

Resource Summary Report

Generated by [Kravitz](#) on Sep 20, 2026

B6J.Cg-Vip^{tm1}(cre)Zjh/AreckJ

RRID:IMSR_JAX:031628

Type: Organism

Proper Citation

RRID:IMSR_JAX:031628

Organism Information

URL: <https://www.jax.org/strain/031628>

Proper Citation: RRID:IMSR_JAX:031628

Description: Mus musculus with name B6J.Cg-Vip^{tm1}(cre)Zjh/AreckJ from IMSR.

Species: Mus musculus

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

Affected Gene: vasoactive intestinal polypeptide|

Genomic Alteration: targeted mutation 1; Z Josh Huang

Catalog Number: JAX:031628

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.Cg-Vip^{tm1}(cre)Zjh/AreckJ

Record Creation Time: 20250513T053823+0000

Record Last Update: 20260919T055007+0000

Ratings and Alerts

No rating or validation information has been found for B6J.Cg-Vip^{tm1}(cre)Zjh/AreckJ.

No alerts have been found for B6J.Cg-Vip^{tm1}(cre)Zjh/AreckJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 26 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Zhu Z, et al. (2026) Vip+ vagal neurons control allergen-induced responses. Cell reports, 45(5), 117287.

Li H, et al. (2026) An intralayer microcircuit in the temporal association cortex underlies sensory-induced escape in mice. Nature communications, 17(1).

Jeong M, et al. (2026) Distinct interneuronal dynamics selectively gate target-specific cortical projections in drug seeking. Neuron, 114(10), 1800.

Heimbach SN, et al. (2026) Temporal cortex astrocytic Gi-GPCR signaling regulates learned threat responses. bioRxiv : the preprint server for biology.

Bennett C, et al. (2026) Map of spiking activity underlying change detection in the mouse visual system. Cell, 189(15), 4775.

Jab?o?ska J, et al. (2025) NMDA-Dependent Coplasticity in VIP Interneuron-Driven Inhibitory Circuits. Journal of neurochemistry, 169(6), e70117.

Stoiljkovic M, et al. (2025) Mitofusin 2 controls mitochondrial and synaptic dynamics of suprachiasmatic VIP neurons and related circadian rhythms. The Journal of clinical investigation, 135(13).

Rolle K, et al. (2025) VIP interneuron activity during sleep conveys the cortical infraslow oscillation. Cell reports, 44(12), 116669.

Hiroki CH, et al. (2025) Nociceptor neurons suppress alveolar macrophage-induced Siglec-F+ neutrophil-mediated inflammation to protect against pulmonary fibrosis. Immunity, 58(8), 2054.

Silbaugh A, et al. (2025) Cerebellar climbing fibers impact experience-dependent plasticity in the mouse primary somatosensory cortex. eLife, 14.

Bennett C, et al. (2024) SHIELD: Skull-shaped hemispheric implants enabling large-scale electrophysiology datasets in the mouse brain. Neuron, 112(17), 2869.

Myers-Joseph D, et al. (2024) Disinhibition by VIP interneurons is orthogonal to cross-modal attentional modulation in primary visual cortex. Neuron, 112(4), 628.

Jiang YQ, et al. (2024) Hypothalamic regulation of hippocampal CA1 interneurons by the supramammillary nucleus. *Cell reports*, 43(11), 114898.

Zhang Y, et al. (2024) Long-term mesoscale imaging of 3D intercellular dynamics across a mammalian organ. *Cell*, 187(21), 6104.

Bilash OM, et al. (2023) Lateral entorhinal cortex inputs modulate hippocampal dendritic excitability by recruiting a local disinhibitory microcircuit. *Cell reports*, 42(1), 111962.

Negwer M, et al. (2022) FriendlyClearMap: an optimized toolkit for mouse brain mapping and analysis. *GigaScience*, 12.

Lei C, et al. (2022) Enteric VIP-producing neurons maintain gut microbiota homeostasis through regulating epithelium fucosylation. *Cell host & microbe*, 30(10), 1417.

Bertero A, et al. (2021) Corticofugal VIP Gabaergic Projection Neurons in the Mouse Auditory and Motor Cortex. *Frontiers in neural circuits*, 15, 714780.

Graham K, et al. (2021) Hippocampal and thalamic afferents form distinct synaptic microcircuits in the mouse infralimbic frontal cortex. *Cell reports*, 37(3), 109837.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. *Cell*, 184(12), 3222.