

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

B6.Cg-Avp^{tm1.1(cre)}Hze/J

RRID:IMSR_JAX:023530

Type: Organism

Proper Citation

RRID:IMSR_JAX:023530

Organism Information

URL: <https://www.jax.org/strain/023530>

Proper Citation: RRID:IMSR_JAX:023530

Description: Mus musculus with name B6.Cg-Avp^{tm1.1(cre)}Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: arginine vasopressin|; mutant strain|congenic strain: Avp|

Affected Gene: arginine vasopressin|

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:023530

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Avp^{tm1.1(cre)}Hze/J

Record Creation Time: 20250513T053748+0000

Record Last Update: 20260808T050952+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Avp^{tm1.1(cre)}Hze/J.

No alerts have been found for B6.Cg-Avp^{tm1.1(cre)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Roueinfar M, et al. (2026) Region and Cell-Selective Induction of Zbtb16/Plzf by Multiple Stressors in the Adult Murine Hypothalamus. The European journal of neuroscience, 63(6), e70454.

Bortolozzo-Gleich MH, et al. (2025) Impaired vasopressin neuromodulation of the lateral septum leads to social behavior deficits in Shank3B+/- male mice. Nature communications, 16(1), 6783.

Lee SS, et al. (2025) Sleep need-dependent plasticity of a thalamic circuit promotes homeostatic recovery sleep. Science (New York, N.Y.), 388(6753), eadm8203.

Meng JJ, et al. (2023) Light modulates glucose metabolism by a retina-hypothalamus-brown adipose tissue axis. Cell, 186(2), 398.

Xie L, et al. (2023) Cholecystokinin neurons in mouse suprachiasmatic nucleus regulate the robustness of circadian clock. Neuron, 111(14), 2201.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Arroyo JP, et al. (2022) Kidney collecting duct cells make vasopressin in response to NaCl-induced hypertonicity. JCI insight, 7(24).

Papazoglou I, et al. (2022) A distinct hypothalamus-to-?? cell circuit modulates insulin secretion. Cell metabolism, 34(2), 285.

Yu H, et al. (2022) Social touch-like tactile stimulation activates a tachykinin 1-oxytocin pathway to promote social interactions. Neuron, 110(6), 1051.

Rohr KE, et al. (2021) Vasopressin regulates daily rhythms and circadian clock circuits in a manner influenced by sex. Hormones and behavior, 127, 104888.

Collins B, et al. (2020) Circadian VIPergic Neurons of the Suprachiasmatic Nuclei Sculpt the Sleep-Wake Cycle. Neuron, 108(3), 486.

Jensen-Cody SO, et al. (2020) FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. Cell metabolism, 32(2), 273.

Xiao L, et al. (2017) Biased Oxytocinergic Modulation of Midbrain Dopamine Systems. *Neuron*, 95(2), 368.