

Resource Summary Report

Generated by [NIF](#) on Sep 10, 2026

B6.Cg-Npy^{tm1(cre)}Zman/J

RRID:IMSR_JAX:027851

Type: Organism

Proper Citation

RRID:IMSR_JAX:027851

Organism Information

URL: <https://www.jax.org/strain/027851>

Proper Citation: RRID:IMSR_JAX:027851

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

Species: Mus musculus

Notes: gene symbol note: |neuropeptide Y; mutant strain|congenic strain: |Npy

Affected Gene: |neuropeptide Y

Genomic Alteration: targeted mutation 1; Boris Zemelman

Catalog Number: JAX:027851

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Npy^{tm1(cre)}Zman/J

Record Creation Time: 20250513T053802+0000

Record Last Update: 20260905T044539+0000

Ratings and Alerts

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

No alerts have been found for B6.Cg-Npy^{tm1(cre)}Zman/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Belal M, et al. (2026) Cholinergic interneuron control of GABAergic circuits targeting spiny projection neurons is disrupted in parkinsonian models. bioRxiv : the preprint server for biology.

Jiao ZH, et al. (2026) Ventral hippocampal NPY interneurons regulate circadian feeding in mice. Neuron, 114(9), 1666.

Xu QJ, et al. (2026) The intrinsic cardiac nervous system is essential for cardiac function and survival. Cell.

Kim JH, et al. (2025) Discrete interneuron subsets participate in GluN1/GluN3A excitatory glycine receptor (eGlyR)-mediated regulation of hippocampal network activity throughout development and evolution. bioRxiv : the preprint server for biology.

de la Torre-Martínez R, et al. (2025) Presynaptic and postsynaptic determinants of claustrum-cortical connectivity. Current biology : CB, 35(13), 3174.

Landry T, et al. (2025) Targeting glucose-inhibited hippocampal CCK interneurons prevents cognitive impairment in diet-induced obesity. Neuron.

Xu QJ, et al. (2025) Two Specialized Intrinsic Cardiac Neuron Types Safeguard Heart Homeostasis and Stress Resilience. bioRxiv : the preprint server for biology.

Kumari R, et al. (2024) Sympathetic NPY controls glucose homeostasis, cold tolerance, and cardiovascular functions in mice. Cell reports, 43(2), 113674.

Calvigioni D, et al. (2023) Esr1+ hypothalamic-habenula neurons shape aversive states. Nature neuroscience, 26(7), 1245.

Kumari R, et al. (2023) Sympathetic NPY controls glucose homeostasis, cold tolerance, and cardiovascular functions in mice. bioRxiv : the preprint server for biology.

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.

Al-Khindi T, et al. (2022) The transcription factor Tbx5 regulates direction-selective retinal ganglion cell development and image stabilization. Current biology : CB, 32(19), 4286.

Wei XP, et al. (2022) A novel reticular node in the brainstem synchronizes neonatal mouse crying with breathing. *Neuron*, 110(4), 644.

Xie Z, et al. (2022) A brain-to-spinal sensorimotor loop for repetitive self-grooming. *Neuron*, 110(5), 874.

Tokarska A, et al. (2022) GABAergic interneurons expressing the $\alpha 2$ nicotinic receptor subunit are functionally integrated in the striatal microcircuit. *Cell reports*, 39(8), 110842.

Xie Z, et al. (2022) The gut-to-brain axis for toxin-induced defensive responses. *Cell*, 185(23), 4298.

Chen J, et al. (2020) A Vagal-NTS Neural Pathway that Stimulates Feeding. *Current biology : CB*, 30(20), 3986.