

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 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: 20260725T044508+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 14 mentions in open access literature.

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

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.

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

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

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.

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

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.

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.