

Resource Summary Report

Generated by T1D on Sep 20, 2026

B6.Cg-Adcyap1^{tm1.1(cre)}Hze/ZakJ

RRID:IMSR_JAX:030155

Type: Organism

Proper Citation

RRID:IMSR_JAX:030155

Organism Information

URL: <https://www.jax.org/strain/030155>

Proper Citation: RRID:IMSR_JAX:030155

Description: Mus musculus with name B6.Cg-Adcyap1^{tm1.1(cre)}Hze/ZakJ from IMSR.

Species: Mus musculus

Notes: gene symbol note: adenylate cyclase activating polypeptide 1|; mutant strain|congenic strain: Adcyap1|

Affected Gene: adenylate cyclase activating polypeptide 1|

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:030155

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Adcyap1^{tm1.1(cre)}Hze/ZakJ

Record Creation Time: 20250513T053813+0000

Record Last Update: 20260919T054957+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Adcyap1^{tm1.1(cre)}Hze/ZakJ.

No alerts have been found for B6.Cg-Adcyap1^{tm1.1(cre)}Hze/ZakJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Teixidor-Deulofeu J, et al. (2025) Semaglutide effects on energy balance are mediated by Adcyap1+ neurons in the dorsal vagal complex. *Cell metabolism*, 37(7), 1530.

Basu R, et al. (2024) Ventromedial hypothalamic nucleus subset stimulates tissue thermogenesis via preoptic area outputs. *Molecular metabolism*, 84, 101951.

Berry MH, et al. (2023) A melanopsin ganglion cell subtype forms a dorsal retinal mosaic projecting to the supraoptic nucleus. *Nature communications*, 14(1), 1492.

Evans MC, et al. (2023) Leptin, but not Estradiol, Signaling in PACAP Neurons Modulates Puberty Onset. *Endocrinology*, 164(8).

Jiang SZ, et al. (2023) PACAP Controls Endocrine and Behavioral Stress Responses via Separate Brain Circuits. *Biological psychiatry global open science*, 3(4), 673.

Zhang S, et al. (2022) Hypothermia evoked by stimulation of medial preoptic nucleus protects the brain in a mouse model of ischaemia. *Nature communications*, 13(1), 6890.

Hamnett R, et al. (2022) Regional cytoarchitecture of the adult and developing mouse enteric nervous system. *Current biology : CB*, 32(20), 4483.

Feng C, et al. (2022) Cold-sensitive ventromedial hypothalamic neurons control homeostatic thermogenesis and social interaction-associated hyperthermia. *Cell metabolism*, 34(6), 888.

Leib DE, et al. (2017) The Forebrain Thirst Circuit Drives Drinking through Negative Reinforcement. *Neuron*, 96(6), 1272.