Resource Summary Report

Generated by RRID on Jul 30, 2026

B6.Cg-Slc32a1$^{tm1.1(flpo)Hze}$/J

RRID:IMSR_JAX:029591
Type: Organism

Proper Citation

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Organism Information

URL: https://www.jax.org/strain/029591

Proper Citation: RRID:IMSR_JAX:029591

Description: Mus musculus with name B6.Cg-Slc32a1$^{tm1.1(flpo)Hze}$/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S-Slc32a1/J

Notes: gene symbol note: |solute carrier family 32 (GABA vesicular transporter); member 1; mutant strain|congenic strain: |Slc32a1

Affected Gene: |solute carrier family 32 (GABA vesicular transporter); member 1

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:029591

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Slc32a1$^{tm1.1(flpo)Hze}$/J

Record Creation Time: 20250513T053809+0000

Record Last Update: 20260725T044514+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Slc32a1$^{tm1.1(flpo)Hze}$/J.

No alerts have been found for B6.Cg-Slc32a1$^{tm1.1(flpo)Hze}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 27 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

B?sz E, et al. (2025) A cortico-subcortical loop for motor control via the pontine reticular formation. Cell reports, 44(2), 115230.

Wang T, et al. (2025) Identification of a neural basis for energy expenditure in the mouse arcuate hypothalamus. Neuron.

Noh MC, et al. (2025) A molecular and spinal circuit basis for the functional segregation of itch and pain. bioRxiv : the preprint server for biology.

Hadjas LC, et al. (2025) Parkinson's Disease-vulnerable and -resilient dopamine neurons display opposite responses to excitatory input. bioRxiv : the preprint server for biology.

Biró L, et al. (2025) Convergence and Segregation of Excitatory and Inhibitory Afferents in the Paraventricular Thalamic Nucleus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(43).

Mendelsohn AI, et al. (2025) Segregated basal ganglia output pathways correspond to genetically divergent neuronal subclasses. Cell reports, 44(4), 115454.

Virlogeux A, et al. (2025) The dorsal column nuclei encode and transmit the network signatures of mechanical allodynia. Cell reports, 44(9), 116248.

Goode TD, et al. (2024) A dorsal hippocampus-prodynorphinergic dorsolateral septum-to-lateral hypothalamus circuit mediates contextual gating of feeding. bioRxiv : the preprint server for biology.

Faget L, et al. (2024) Ventral pallidum GABA and glutamate neurons drive approach and avoidance through distinct modulation of VTA cell types. Nature communications, 15(1), 4233.

Elum JE, et al. (2024) Distinct dynamics and intrinsic properties in ventral tegmental area populations mediate reward association and motivation. Cell reports, 43(9), 114668.

Jiang Z, et al. (2024) Dopaminergic Neurons in Zona Incerta Drives Appetitive Self-Grooming. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(36), e2308974.

Tian G, et al. (2024) Molecular and circuit determinants in the globus pallidus mediating control of cocaine-induced behavioral plasticity. Neuron, 112(20), 3470.

Kimchi EY, et al. (2024) Reward contingency gates selective cholinergic suppression of amygdala neurons. eLife, 12.

McIntyre C, et al. (2023) Hypothalamic PVN CRH neurons signal through PVN GABA neurons to suppress GnRH pulse generator frequency in female mice. Endocrinology, 164(6).

Faget L, et al. (2023) Ventral pallidum GABA and glutamate neurons drive approach and avoidance through distinct modulation of VTA cell types. bioRxiv : the preprint server for biology.

Lyons-Warren AM, et al. (2023) Co-transmitting interneurons in the mouse olfactory bulb regulate olfactory detection and discrimination. Cell reports, 42(12), 113471.

Xu Y, et al. (2023) Lateral septum as a melanocortin downstream site in obesity development. Cell reports, 42(5), 112502.

De Luca R, et al. (2022) Orexin neurons inhibit sleep to promote arousal. Nature communications, 13(1), 4163.

Xu J, et al. (2022) Protocol to map multi-transmitter neurons in the mouse brain using intersectional strategy. STAR protocols, 3(4), 101907.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.