

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

B6.Cg-Slc32a1^{tm2.1(flpo)}Hze/J

RRID:IMSR_JAX:031331

Type: Organism

Proper Citation

RRID:IMSR_JAX:031331

Organism Information

URL: <https://www.jax.org/strain/031331>

Proper Citation: RRID:IMSR_JAX:031331

Description: Mus musculus with name B6.Cg-Slc32a1^{tm2.1(flpo)}Hze/J from IMSR.

Species: Mus musculus

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 2.1; Hongkui Zeng

Catalog Number: JAX:031331

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Slc32a1^{tm2.1(flpo)}Hze/J

Record Creation Time: 20250513T053821+0000

Record Last Update: 20260725T044522+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Slc32a1^{tm2.1(flpo)}Hze/J.

No alerts have been found for B6.Cg-Slc32a1^{tm2.1(flpo)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Barbano MF, et al. (2025) VTA monosynaptic connections by local glutamate and GABA neurons and their distinct roles in behavior. *Nature communications*, 16(1), 8500.

Cai J, et al. (2024) An excitatory projection from the basal forebrain to the ventral tegmental area that underlies anorexia-like phenotypes. *Neuron*, 112(3), 458.

Mohammad H, et al. (2021) A neural circuit for excessive feeding driven by environmental context in mice. *Nature neuroscience*, 24(8), 1132.

Kim A, et al. (2021) Neural basis for regulation of vasopressin secretion by anticipated disturbances in osmolality. *eLife*, 10.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. *Cell*, 184(12), 3222.

Root DH, et al. (2020) Distinct Signaling by Ventral Tegmental Area Glutamate, GABA, and Combinatorial Glutamate-GABA Neurons in Motivated Behavior. *Cell reports*, 32(9), 108094.