

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 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: 20260808T051018+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 7 mentions in open access literature.

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

Goral RO, et al. (2026) Mesoscopic analysis of GABAergic marker expression in acetylcholine neurons in the whole mouse brain. iScience, 29(1), 114531.

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.

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

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

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.