

# Resource Summary Report

Generated by T1D on Sep 23, 2026

## B6.Cg-Slc32a1<sup>tm2.1(flpo)</sup>Hze/J

RRID:IMSR\_JAX:031331

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:031331

### Organism Information

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

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**Description:** Mus musculus with name B6.Cg-Slc32a1<sup>tm2.1(flpo)</sup>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<sup>tm2.1(flpo)</sup>Hze/J

**Record Creation Time:** 20250513T053821+0000

**Record Last Update:** 20260919T055005+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Slc32a1<sup>tm2.1(flpo)</sup>Hze/J.

No alerts have been found for B6.Cg-Slc32a1<sup>tm2.1(flpo)</sup>Hze/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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.