# Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 9, 2025

## STOCK Slc32a1$^{tm2(cre)Lowl}$/J

RRID:IMSR_JAX:016962
Type: Organism

### Proper Citation

RRID:IMSR_JAX:016962

### Organism Information

**URL:** https://www.jax.org/strain/016962

**Proper Citation:** RRID:IMSR_JAX:016962

**Description:** Mus musculus with name STOCK Slc32a1$^{tm2(cre)Lowl}$/J from IMSR.

**Species:** Mus musculus

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

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

**Genomic Alteration:** targeted mutation 2; Bradford B Lowell

**Catalog Number:** JAX:016962

**Database:** International Mouse Resource Center IMSR, JAX

**Database Abbreviation:** IMSR

**Availability:** sperm

**Alternate IDs:** IMSR_JAX:16962

**Organism Name:** STOCK Slc32a1$^{tm2(cre)Lowl}$/J

**Record Creation Time:** 20230509T193310+0000

**Record Last Update:** 20240104T175009+0000

## Ratings and Alerts

No rating or validation information has been found for STOCK Slc32a1$^{tm2(cre)Lowl}$/J.

No alerts have been found for STOCK Slc32a1$^{tm2(cre)Lowl}$/J.

## Data and Source Information

**Source:** Integrated Animals

**Source Database:** International Mouse Resource Center IMSR, JAX

## Usage and Citation Metrics

We found 200 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


Shao L, et al. (2024) Whole-brain inputs and outputs of Phox2b and GABAergic neurons in the nucleus tractus solitarii. Frontiers in neuroscience, 18, 1427384.

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.

Gu J, et al. (2024) Central amygdala-to-pre-Bötzinger complex neurotransmission is direct and inhibitory. The European journal of neuroscience, 60(11), 6799.

Liu Q, et al. (2024) An amygdalar oscillator coordinates cellular and behavioral rhythms. Neuron.

Liu M, et al. (2024) Parvalbumin and Somatostatin: Biomarkers for Two Parallel Tectothalamic Pathways in the Auditory Midbrain. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(10).

Kashiwagi M, et al. (2024) A pontine-medullary loop crucial for REM sleep and its deficit in Parkinson's disease. Cell, 187(22), 6272.

Gao JH, et al. (2024) Divergent input patterns to the central lateral amygdala play a duet in fear memory formation. iScience, 27(10), 110886.

Tokizane K, et al. (2024) DMHPpp1r17 neurons regulate aging and lifespan in mice through hypothalamic-adipose inter-tissue communication. Cell metabolism, 36(2), 377.

Martinez de Morentin PB, et al. (2024) A brainstem to hypothalamic arcuate nucleus GABAergic circuit drives feeding. Current biology : CB.

Perez CI, et al. (2024) Tesofensine, a novel antiobesity drug, silences GABAergic hypothalamic neurons. PloS one, 19(4), e0300544.

Ramirez-Plascencia OD, et al. (2024) A hypothalamic circuit for circadian regulation of corticosterone secretion. Research square.

Miranda NC, et al. (2024) Sleep-related respiratory disruptions and laterodorsal tegmental nucleus in a mouse model of Parkinson's disease. iScience, 27(11), 111251.

Rankin G, et al. (2024) Nerve injury disrupts temporal processing in the spinal cord dorsal horn through alterations in PV+ interneurons. Cell reports, 43(2), 113718.

Li CP, et al. (2024) Lhx2 promotes axon regeneration of adult retinal ganglion cells and rescues neurodegeneration in mouse models of glaucoma. Cell reports. Medicine, 5(5), 101554.

Choi J, et al. (2024) ARNT2 controls prefrontal somatostatin interneurons mediating affective empathy. Cell reports, 43(9), 114659.

Ba W, et al. (2024) A REM-active basal ganglia circuit that regulates anxiety. Current biology : CB, 34(15), 3301.

Cheng X, et al. (2024) Astrocytes modulate brain phosphate homeostasis via polarized distribution of phosphate uptake transporter PiT2 and exporter XPR1. Neuron, 112(18), 3126.

Lee YH, et al. (2023) Lateral hypothalamic leptin receptor neurons drive hunger-gated food-seeking and consummatory behaviours in male mice. Nature communications, 14(1), 1486.

Tong Q, et al. (2023) D1 receptor-expressing neurons in ventral tegmental area alleviate mouse anxiety-like behaviors via glutamatergic projection to lateral septum. Molecular psychiatry, 28(2), 625.

Wang L, et al. (2023) Cocaine induces locomotor sensitization through a dopamine-dependent VTA-mPFC-FrA cortico-cortical pathway in male mice. Nature communications, 14(1), 1568.