

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

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: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

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

Record Creation Time: 20250513T053731+0000

Record Last Update: 20260725T044439+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: JAX Mice and Services

Usage and Citation Metrics

We found 212 mentions in open access literature.

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

Nowlan AC, et al. (2025) Multisensory integration of social signals by a pathway from the basal amygdala to the auditory cortex in maternal mice. *Current biology : CB*, 35(1), 36.

Yu YM, et al. (2025) An accumbal microcircuit for the transition from acute to chronic pain. *Current biology : CB*, 35(8), 1730.

Lin JK, et al. (2025) Transcriptomic and spatial organization of mouse spinal cord projection neurons. *Cell reports*, 45(1), 116717.

Douglass AM, et al. (2025) Acute and circadian feedforward regulation of agouti-related peptide hunger neurons. *Cell metabolism*, 37(3), 708.

Kong MS, et al. (2025) Valence and salience encoding in the central amygdala. *eLife*, 13.

Deng T, et al. (2025) A Molecularly Defined Medullary Network for Control of Respiratory Homeostasis. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(18), e2412822.

Wang X, et al. (2025) GABAergic neurons in central amygdala contribute to orchestrating anxiety-like behaviors and breathing patterns. *Nature communications*, 16(1), 3544.

Dorrego-Rivas A, et al. (2025) Strikingly different neurotransmitter release strategies in dopaminergic subclasses. *eLife*, 14.

Wang J, et al. (2025) Galnt2 neurons in the ventromedial hypothalamus counterregulate hypoglycemia via a brain-liver neurocircuit. *Cell metabolism*, 37(11), 2264.

Ishii KK, et al. (2025) Post-ejaculatory inhibition of female sexual drive via heterogeneous neuronal ensembles in the medial preoptic area. *eLife*, 12.

Xie Y, et al. (2025) Activity-dependent synthesis of Emerin gates neuronal plasticity by regulating proteostasis. *Cell reports*, 44(4), 115439.

Li H, et al. (2025) An alternative neural basis underlying leptin resistance. *Cell reports*, 44(7), 115863.

Bir?? 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).

Landry T, et al. (2025) Targeting glucose-inhibited hippocampal CCK interneurons prevents cognitive impairment in diet-induced obesity. *Neuron*.

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

Zhang B, et al. (2025) Complementary corticostriatal circuits orchestrate action repetition and switching. *Science advances*, 11(21), eadt0854.

Hughes CL, et al. (2025) Spatiotemporal properties of cortical excitatory and inhibitory neuron activation by sustained and bursting electrical microstimulation. *iScience*, 28(6), 112707.

Gomez AM, et al. (2025) Aberrant hypothalamic neuronal activity blunts glucocorticoid diurnal rhythms in murine breast cancer. *Neuron*.

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

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.