Resource Summary Report

Generated by T1D on Sep 19, 2026

B6J.129S6(FVB)-Slc32a1$^{tm2(cre)Lowl}$/MwarJ

RRID:IMSR_JAX:028862
Type: Organism

Proper Citation

RRID:IMSR_JAX:028862

Organism Information

URL: https://www.jax.org/strain/028862

Proper Citation: RRID:IMSR_JAX:028862

Description: Mus musculus with name B6J.129S6(FVB)-Slc32a1$^{tm2(cre)Lowl}$/MwarJ from IMSR.

Species: Mus musculus

Synonyms: B6J.129S6(Cg)-Slc32a1/MwarJ

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; Bradford B Lowell

Catalog Number: JAX:028862

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.129S6(FVB)-Slc32a1$^{tm2(cre)Lowl}$/MwarJ

Record Creation Time: 20250513T053806+0000

Record Last Update: 20260919T054951+0000

Ratings and Alerts

No rating or validation information has been found for B6J.129S6(FVB)-Slc32a1 $^{tm2(cre)Lowl}$/MwarJ.

No alerts have been found for B6J.129S6(FVB)-Slc32a1$^{tm2(cre)Lowl}$/MwarJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 118 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Li Y, et al. (2026) A spatial and projection-based transcriptomic atlas of paraventricular hypothalamic cell types. Cell reports, 45(2), 116904.

Xiao W, et al. (2026) Peri-head distance coding in the mouse brainstem. Neuron.

Chen C, et al. (2026) WTR: A Toolkit for Functional Anterograde Transsynaptic Circuit Mapping. bioRxiv : the preprint server for biology.

Yong HC, et al. (2026) A transcriptomic axis aligns with in vivo functional dynamics in hippocampal inhibitory circuits. bioRxiv : the preprint server for biology.

Feng X, et al. (2026) Slow-wave sleep engages brainstem circuitry to prevent stress-induced anxiety. Neuron.

Spann RA, et al. (2026) FGF21 signals through hindbrain neurons to alter food intake and energy expenditure during dietary protein restriction. Cell reports, 45(4), 117218.

Cai YQ, et al. (2026) Receptor and cell-type-specific mechanisms in mesocortical dopamine circuits gate chronic pain and comorbid anxiodepression. Neuron.

Duran M, et al. (2026) The central amygdala gates exogenous glucagon-like peptide 1 signals. Molecular metabolism, 110, 102403.

Li R, et al. (2026) Hyperexcitable VTA-mPFC dopaminergic circuit disrupts sleep spindle and mediates sleep fragmentation after chronic social defeat stress. Neuron.

de Sousa LMM, et al. (2026) Loss of GABAergic transmission from somatostatin neurons leads to starvation, which is attenuated by a palatable diet. Life sciences, 398, 124455.

Chen C, et al. (2025) Accessing genetically defined cell types in the superior colliculus with transgenic mouse lines. iScience, 28(4), 112194.

Hong CY, et al. (2025) Anterior hypothalamic nucleus drives distinct defensive responses through cell-type-specific activity. iScience, 28(4), 112097.

Lee SS, et al. (2025) Sleep need-dependent plasticity of a thalamic circuit promotes homeostatic recovery sleep. Science (New York, N.Y.), 388(6753), eadm8203.

Pan L, et al. (2025) The gut-brain axis mechanism of normal appetite induced by kynurenic acid. Cell reports, 44(5), 115659.

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

Li C, et al. (2025) Probabilistically constrained vector summation of motion direction in the mouse superior colliculus. Current biology : CB, 35(4), 723.

Broersen R, et al. (2025) Binocular processing facilitates escape behavior through multiple pathways to the superior colliculus. Current biology : CB, 35(6), 1242.

Damonte VM, et al. (2025) Kappa opioid receptors control a stress-sensitive brain circuit and drive cocaine seeking. bioRxiv : the preprint server for biology.

Sun Q, et al. (2025) Dynorphin modulates reward-seeking actions through a pallido-amygdala cholinergic circuit. Neuron, 113(11), 1823.

Zhao Z, et al. (2025) A parallel tonotopically arranged thalamocortical circuit for sound processing. Neuron, 113(12), 1998.