Resource Summary Report

Generated by T1D on Sep 20, 2026

B6J.129S6(FVB)-Slc17a6$^{tm2(cre)Lowl}$/MwarJ

RRID:IMSR_JAX:028863
Type: Organism

Proper Citation

RRID:IMSR_JAX:028863

Organism Information

URL: https://www.jax.org/strain/028863

Proper Citation: RRID:IMSR_JAX:028863

Description: Mus musculus with name B6J.129S6(FVB)-Slc17a6$^{tm2(cre)Lowl}$/MwarJ from IMSR.

Species: Mus musculus

Synonyms: B6J.129S6(Cg)-Slc17a6/MwarJ

Notes: gene symbol note: solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 6|; mutant strain|congenic strain: Slc17a6|

Affected Gene: solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 6|

Genomic Alteration: targeted mutation 2; Bradford B Lowell

Catalog Number: JAX:028863

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6J.129S6(FVB)-Slc17a6$^{tm2(cre)Lowl}$/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)-Slc17a6 $^{tm2(cre)Lowl}$/MwarJ.

No alerts have been found for B6J.129S6(FVB)-Slc17a6$^{tm2(cre)Lowl}$/MwarJ.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 100 mentions in open access literature.

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

Zheng L, et al. (2026) The posteroventral part of the medial amygdala nucleus glutamatergic neurons encodes conspecifics' individual identity in rodents. Science advances, 12(21), eady9830.

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

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.

Howe JR, et al. (2026) Control of innate olfactory valence by segregated cortical amygdala circuits. eLife, 14.

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

Hall AL, et al. (2026) Identification of a natively resilient but poorly regenerating retinal ganglion cell type in the G protein-coupled receptor 88-Cre transgenic mouse. Neural regeneration research, 21(7), 3194.

Livrizzi G, et al. (2026) Top-down control of the descending pain modulatory system drives multimodal placebo analgesia. 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.

Fallah M, et al. (2025) Inhibitory basal ganglia nuclei differentially innervate pedunculopontine nucleus subpopulations and evoke differential motor and valence behaviors. eLife, 13.

Zhu Z, et al. (2025) Whole-brain long-range connectivity of glutamatergic, GABAergic, parvalbumin-expressing and somatostatin-expressing neurons in mouse somatosensory cortex. Neuroscience research, 217, 104912.

Haragopal H, et al. (2025) Synaptic Drive onto Inhibitory and Excitatory Principal Neurons of the Mouse Lateral Superior Olive. eNeuro, 12(5).

Palchaudhuri S, et al. (2025) A posterior insula to lateral amygdala pathway transmits US-offset information with a limited role in fear learning. Cell reports, 44(2), 115320.

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.

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

Devlin BA, et al. (2025) Excitatory-neuron-derived interleukin-34 supports cortical developmental microglia function. Immunity, 58(8), 1948.

Li T, et al. (2025) A pontine center in descending pain control. Neuron, 113(11), 1789.

Sripinun P, et al. (2025) Fluorescent identification of axons, dendrites and soma of neuronal retinal ganglion cells with a genetic marker as a tool for facilitating the study of neurodegeneration. FASEB bioAdvances, 7(1), e1478.

Han M, et al. (2025) Glycosaminoglycan sugar side chains on perineuronal nets in the fastigial nucleus regulate motor skills. iScience, 28(8), 112952.

Fei Y, et al. (2025) Coordination of distinct sources of excitatory inputs enhances motion selectivity in the mouse visual thalamus. Neuron.

He C, et al. (2025) Red Nucleus Excitatory Neurons Initiate Directional Motor Movement in Mice. Biomedicines, 13(8).