

Resource Summary Report

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

STOCK Slc17a6^{tm2(cre)}Lowl/J

RRID:IMSR_JAX:016963

Type: Organism

Proper Citation

RRID:IMSR_JAX:016963

Organism Information

URL: <https://www.jax.org/strain/016963>

Proper Citation: RRID:IMSR_JAX:016963

Description: Mus musculus with name STOCK Slc17a6^{tm2(cre)}Lowl/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 6; mutant stock: |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:016963

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: STOCK Slc17a6^{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 Slc17a6^{tm2(cre)}Lowl/J.

No alerts have been found for STOCK Slc17a6^{tm2(cre)Lowl/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 179 mentions in open access literature.

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

Wang Z, et al. (2026) An enteric-DRG pathway for interoception and visceral pain in mice. *Neuron*, 114(1), 105.

Pearl AJ, et al. (2025) Midbrain ghrelin receptor signalling regulates binge drinking in a sex specific manner. *Nature communications*, 16(1), 2568.

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

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

He W, et al. (2025) Activation of glutamatergic neurons in the organum vasculosum of the lamina terminalis induces thirst-driven sniffing. *Cell reports*, 44(2), 115254.

B??sz E, et al. (2025) A cortico-subcortical loop for motor control via the pontine reticular formation. *Cell reports*, 44(2), 115230.

Xie T, et al. (2025) An excitatory circuit in the ventrolateral periaqueductal gray drives hypometabolic state during acute systemic inflammation. *Cell reports*, 44(10), 116394.

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

Olguin AGR, et al. (2025) Cadherin 4 assembles a family of color-preferring retinal circuits that respond to light offset. *Current biology : CB*, 35(6), 1298.

Nelson AC, et al. (2025) Molecular and neural control of social hierarchy by a forebrain-thalamocortical circuit. *Cell*.

Huey EL, et al. (2025) The auditory midbrain mediates tactile vibration sensing. *Cell*, 188(1), 104.

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.

Zhang X, et al. (2025) Functional optic tract rewiring via subtype- and target-specific axonal regeneration and presynaptic activity enhancement. *Nature communications*, 16(1), 2174.

Bulk J, et al. (2025) A food-sensitive olfactory circuit drives anticipatory satiety. *Nature metabolism*, 7(6), 1246.

Liu X, et al. (2025) Neural circuit underlying individual differences in visual escape habituation. *Neuron*, 113(14), 2344.

Harding EK, et al. (2025) Locus coeruleus microcircuitry processes periaqueductal gray inputs into distinct outputs for regulation of pain and anxiety. *Cell reports*, 44(12), 116699.

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

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

Hadjas LC, et al. (2025) Parkinson's Disease-vulnerable and -resilient dopamine neurons display opposite responses to excitatory input. *bioRxiv : the preprint server for biology*.

Srinivasan S, et al. (2025) Evidence for low affinity of GABA at the vesicular monoamine transporter VMAT2 - Implications for transmitter co-release from dopamine neurons. *Neuropharmacology*, 270, 110367.