

Resource Summary Report

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

B6;129S-Slc17a6^{tm1.1(flpo)}Hze/J

RRID:IMSR_JAX:030212

Type: Organism

Proper Citation

RRID:IMSR_JAX:030212

Organism Information

URL: <https://www.jax.org/strain/030212>

Proper Citation: RRID:IMSR_JAX:030212

Description: Mus musculus with name B6;129S-Slc17a6^{tm1.1(flpo)}Hze/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 1.1; Hongkui Zeng

Catalog Number: JAX:030212

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S-Slc17a6^{tm1.1(flpo)}Hze/J

Record Creation Time: 20250513T053813+0000

Record Last Update: 20260725T044517+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Slc17a6^{tm1.1(flpo)}Hze/J.

No alerts have been found for B6;129S-Slc17a6^{tm1.1(flp0)Hze/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Hamnett R, et al. (2025) Enteric glutamatergic interneurons regulate intestinal motility. *Neuron*, 113(7), 1019.

Zhu Z, et al. (2025) Hedonic eating is controlled by dopamine neurons that oppose GLP-1R satiety. *Science (New York, N.Y.)*, 387(6741), eadt0773.

Goltash S, et al. (2025) An optogenetic mouse model of hindlimb spasticity after spinal cord injury. *Experimental neurology*, 386, 115157.

Schappe MS, et al. (2024) A vagal reflex evoked by airway closure. *Nature*, 627(8005), 830.

Oliveira LM, et al. (2024) Afferent and Efferent Connections of the Postinspiratory Complex (PiCo) Revealed by AAV and Monosynaptic Rabies Viral Tracing. *The Journal of comparative neurology*, 532(11), e25683.

Wei XP, et al. (2022) A novel reticular node in the brainstem synchronizes neonatal mouse crying with breathing. *Neuron*, 110(4), 644.

Yoshioka Y, et al. (2022) Uts2b is a microbiota-regulated gene expressed in vagal afferent neurons connected to enteroendocrine cells producing cholecystokinin. *Biochemical and biophysical research communications*, 608, 66.

Kim A, et al. (2021) Neural basis for regulation of vasopressin secretion by anticipated disturbances in osmolality. *eLife*, 10.

Nasirova N, et al. (2020) Dual recombinase fate mapping reveals a transient cholinergic phenotype in multiple populations of developing glutamatergic neurons. *The Journal of comparative neurology*, 528(2), 283.

Jensen-Cody SO, et al. (2020) FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. *Cell metabolism*, 32(2), 273.

Daigle TL, et al. (2018) A Suite of Transgenic Driver and Reporter Mouse Lines with Enhanced Brain-Cell-Type Targeting and Functionality. *Cell*, 174(2), 465.