

Resource Summary Report

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

B6;129S-Slc17a8^{tm1.1(cre)}Hze/J

RRID:IMSR_JAX:028534

Type: Organism

Proper Citation

RRID:IMSR_JAX:028534

Organism Information

URL: <https://www.jax.org/strain/028534>

Proper Citation: RRID:IMSR_JAX:028534

Description: Mus musculus with name B6;129S-Slc17a8^{tm1.1(cre)}Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 8; mutant stock: |Slc17a8

Affected Gene: |solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 8

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:028534

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S-Slc17a8^{tm1.1(cre)}Hze/J

Record Creation Time: 20250513T053804+0000

Record Last Update: 20260725T044510+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Slc17a8^{tm1.1(cre)}Hze/J.

No alerts have been found for B6;129S-Slc17a8^{tm1.1(cre)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Orlin DJ, et al. (2025) Targeting Tmem63b and Piezo2 in C-fiber low-threshold mechanoreceptors: Limitation of Vglut3-IRES-Cre. Biophysical journal, 124(24), 4551.

Orlin DJ, et al. (2025) Targeting Tmem63b and Piezo2 in C-fiber low threshold mechanoreceptor: limitation of Vglut3-IRES-Cre. bioRxiv : the preprint server for biology.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Stinson HE, et al. (2024) Median raphe glutamatergic neuron-mediated enhancement of GABAergic transmission and suppression of long-term potentiation in the hippocampus. Heliyon, 10(19), e38192.

Amo R, et al. (2024) Glutamate inputs send prediction error of reward, but not negative value of aversive stimuli, to dopamine neurons. Neuron, 112(6), 1001.

Mani A, et al. (2023) A circuit suppressing retinal drive to the optokinetic system during fast image motion. Nature communications, 14(1), 5142.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. Cell reports, 42(2), 112118.

Moayedi Y, et al. (2023) The cellular basis of mechanosensation in mammalian tongue. Cell reports, 42(2), 112087.

Xu J, et al. (2022) Intersectional mapping of multi-transmitter neurons and other cell types in the brain. Cell reports, 40(1), 111036.

Xu J, et al. (2022) Protocol to map multi-transmitter neurons in the mouse brain using intersectional strategy. STAR protocols, 3(4), 101907.

Borgmann D, et al. (2021) Gut-brain communication by distinct sensory neurons differently controls feeding and glucose metabolism. Cell metabolism, 33(7), 1466.

Graybuck LT, et al. (2021) Enhancer viruses for combinatorial cell-subclass-specific labeling. Neuron, 109(9), 1449.

Yao Z, et al. (2021) A taxonomy of transcriptomic cell types across the isocortex and hippocampal formation. *Cell*, 184(12), 3222.

Okaty BW, et al. (2020) A single-cell transcriptomic and anatomic atlas of mouse dorsal raphe Pet1 neurons. *eLife*, 9.

Gouwens NW, et al. (2020) Integrated Morphoelectric and Transcriptomic Classification of Cortical GABAergic Cells. *Cell*, 183(4), 935.

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.