

# Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

## B6;129S2-Slc17a8<sup>tm1Edw/J</sup>

RRID:IMSR\_JAX:016931

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:016931

### Organism Information

**URL:** <https://www.jax.org/strain/016931>

**Proper Citation:** RRID:IMSR\_JAX:016931

**Description:** Mus musculus with name B6;129S2-Slc17a8<sup>tm1Edw/J</sup> from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.129P2(Cg)-Slc17a8/J

**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; Robert H Edwards

**Catalog Number:** JAX:016931

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6;129S2-Slc17a8<sup>tm1Edw/J</sup>

**Record Creation Time:** 20250513T053731+0000

**Record Last Update:** 20260829T045029+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S2-Slc17a8<sup>tm1Edw/J</sup>.

No alerts have been found for B6;129S2-Slc17a8<sup>tm1Edw/J</sup>.

---

## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

---

## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Noh MC, et al. (2025) A molecular and spinal circuit basis for the functional segregation of itch and pain. bioRxiv : the preprint server for biology.

Regalado Núñez K, et al. (2024) Vestibular afferent neurons develop normally in the absence of quantal/glutamatergic input. Frontiers in neurology, 15, 1441964.

Boero LE, et al. (2021) Noise Exposure Potentiates Exocytosis From Cochlear Inner Hair Cells. Frontiers in synaptic neuroscience, 13, 740368.

Kim KX, et al. (2019) Vesicular Glutamatergic Transmission in Noise-Induced Loss and Repair of Cochlear Ribbon Synapses. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(23), 4434.

Kim T, et al. (2017) Inhibitory Control of Feature Selectivity in an Object Motion Sensitive Circuit of the Retina. Cell reports, 19(7), 1343.