

Resource Summary Report

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

B6.Cg-Slc17a7^{tm1.1}(cre)Hze/J

RRID:IMSR_JAX:037512

Type: Organism

Proper Citation

RRID:IMSR_JAX:037512

Organism Information

URL: <https://www.jax.org/strain/037512>

Proper Citation: RRID:IMSR_JAX:037512

Description: Mus musculus with name B6.Cg-Slc17a7^{tm1.1}(cre)Hze/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 7; mutant strain|congenic strain: |Slc17a7

Affected Gene: |solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter); member 7

Genomic Alteration: targeted mutation 1.1; Hongkui Zeng

Catalog Number: JAX:037512

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-Slc17a7^{tm1.1}(cre)Hze/J

Record Creation Time: 20250513T053859+0000

Record Last Update: 20260725T044551+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Slc17a7^{tm1.1}(cre)Hze/J.

No alerts have been found for B6.Cg-Slc17a7^{tm1.1(cre)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

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

Li Y, et al. (2025) Motor Cortical Output Integrates Distorted Proprioceptive Feedback. *bioRxiv* : the preprint server for biology.

Sweeney CG, et al. (2025) Reliable sensory processing of superficial cortical interneurons is modulated by behavioral state. *Cell reports*, 44(5), 115678.

Rotterman TM, et al. (2024) Modulation of central synapse remodeling after remote peripheral injuries by the CCL2-CCR2 axis and microglia. *Cell reports*, 43(2), 113776.

Manley J, et al. (2024) Simultaneous, cortex-wide dynamics of up to 1 million neurons reveal unbounded scaling of dimensionality with neuron number. *Neuron*.

Liu Q, et al. (2024) An amygdalar oscillator coordinates cellular and behavioral rhythms. *Neuron*.

Goff KM, et al. (2023) VIP interneuron impairment promotes in?vivo circuit dysfunction and autism-related behaviors in Dravet syndrome. *Cell reports*, 42(6), 112628.