Resource Summary Report

Generated by NIF on Sep 10, 2026

B6.Cg-Snap25$^{tm3.1Hze}$/J

RRID:IMSR_JAX:025111
Type: Organism

Proper Citation

RRID:IMSR_JAX:025111

Organism Information

URL: https://www.jax.org/strain/025111

Proper Citation: RRID:IMSR_JAX:025111

Description: Mus musculus with name B6.Cg-Snap25$^{tm3.1Hze}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |synaptosomal-associated protein 25; mutant strain|congenic strain: |Snap25

Affected Gene: |synaptosomal-associated protein 25

Genomic Alteration: targeted mutation 3.1; Hongkui Zeng

Catalog Number: JAX:025111

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Snap25$^{tm3.1Hze}$/J

Record Creation Time: 20250513T053753+0000

Record Last Update: 20260905T044532+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Snap25$^{tm3.1Hze}$/J.

No alerts have been found for B6.Cg-Snap25$^{tm3.1Hze}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

McKnight AD, et al. (2026) Attenuated hypothalamic response to fructose via a dedicated gut-brain pathway. Neuron.

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

McDougle M, et al. (2024) Separate gut-brain circuits for fat and sugar reinforcement combine to promote overeating. Cell metabolism, 36(2), 393.

Kersbergen CJ, et al. (2023) Preservation of developmental spontaneous activity enables early auditory system maturation in deaf mice. PLoS biology, 21(6), e3002160.

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

Kersbergen CJ, et al. (2022) Developmental spontaneous activity promotes formation of sensory domains, frequency tuning and proper gain in central auditory circuits. Cell reports, 41(7), 111649.

Wang Y, et al. (2021) Efferent feedback controls bilateral auditory spontaneous activity. Nature communications, 12(1), 2449.

Kellner V, et al. (2021) Dual metabotropic glutamate receptor signaling enables coordination of astrocyte and neuron activity in developing sensory domains. Neuron, 109(16), 2545.

Babola TA, et al. (2020) Purinergic signaling in cochlear supporting cells reduces hair cell excitability by increasing the extracellular space. eLife, 9.

Shore AN, et al. (2020) Reduced GABAergic Neuron Excitability, Altered Synaptic Connectivity, and Seizures in a KCNT1 Gain-of-Function Mouse Model of Childhood Epilepsy. Cell reports, 33(4), 108303.

Babola TA, et al. (2018) Homeostatic Control of Spontaneous Activity in the Developing Auditory System. Neuron, 99(3), 511.

Steinmetz NA, et al. (2017) Aberrant Cortical Activity in Multiple GCaMP6-Expressing Transgenic Mouse Lines. eNeuro, 4(5).