

# Resource Summary Report

Generated by Kravitz on Sep 21, 2026

## B6(Cg)-Sst<sup>tm1</sup>(cre/ERT2)Zjh/J

RRID:IMSR\_JAX:010708

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:010708

### Organism Information

**URL:** <https://www.jax.org/strain/010708>

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**Description:** Mus musculus with name B6(Cg)-Sst<sup>tm1</sup>(cre/ERT2)Zjh/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: somatostatin|Cre recombinase and estrogen receptor 1 (human) fusion gene; mutant strain: Sst|cre/ERT2

**Affected Gene:** somatostatin|Cre recombinase and estrogen receptor 1 (human) fusion gene

**Genomic Alteration:** targeted mutation 1; Z Josh Huang

**Catalog Number:** JAX:010708

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6(Cg)-Sst<sup>tm1</sup>(cre/ERT2)Zjh/J

**Record Creation Time:** 20250513T053717+0000

**Record Last Update:** 20260919T054905+0000

### Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Sst<sup>tm1</sup>(cre/ERT2)Zjh/J.

No alerts have been found for B6(Cg)-Sst<sup>tm1(cre/ERT2)Zjh/J</sup>.

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## Data and Source Information

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

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Yang S, et al. (2026) A red-emitting, genetically encoded indicator for two-photon voltage recording in vivo. bioRxiv : the preprint server for biology.

Lee EK, et al. (2026) A multimodal approach for visualizing and identifying electrophysiological cell types in vivo. Nature communications, 17(1).

Rolón-Martínez S, et al. (2026) Thalamic reticular neurons provide cell type-specific modulation of sound processing in the auditory thalamus. PLoS biology, 24(3), e3003693.

Li M, et al. (2025) Rac1 in parvalbumin neurons of the medial prefrontal cortex governs rapid forgetting of social memory. Molecular psychiatry, 30(8), 3740.

Rivera JF, et al. (2025) ATLAS: a rationally designed anterograde transsynaptic tracer. Nature methods, 22(5), 1101.

Yang SS, et al. (2025) Transient Inhibition of the Mediodorsal Thalamus During Early Adolescence Induces Hypofrontality and Social Memory Deficits in Young Adulthood. Biological psychiatry global open science, 5(4), 100486.

Dai J, et al. (2025) Roles for somatostatin and parvalbumin interneurons in learning and arousal during trace conditioning. iScience, 28(12), 114004.

Garcia MM, et al. (2025) Noncanonical Short-Latency Auditory Pathway Directly Activates Deep Cortical Layers. bioRxiv : the preprint server for biology.

Zhu Y, et al. (2025) Acute REM sleep deprivation alleviated depression-like behavior mediated by inhibiting VIP neurons in the mPFC. Science advances, 11(37), eadx2666.

Chamberland S, et al. (2025) Cannabidiol dampens propagation of hippocampal hyperactivity and differentially modulates feedforward and feedback inhibition. bioRxiv : the preprint server for biology.

Triplett MA, et al. (2025) Rapid learning of neural circuitry from holographic ensemble stimulation enabled by model-based compressed sensing. Nature neuroscience, 28(10), 2154.

Ding X, et al. (2025) The role of inhibitory neurons in novelty sound detection in regular and random statistical contexts. *bioRxiv : the preprint server for biology*.

Taxidis J, et al. (2025) Voltage imaging reveals hippocampal inhibitory dynamics shaping pyramidal memory-encoding sequences. *Nature neuroscience*, 28(9), 1946.

Davies I, et al. (2025) Chronic GIPR agonism results in pancreatic islet GIPR functional desensitisation. *Molecular metabolism*, 92, 102094.

Qi C, et al. (2025) Anterior cingulate cortex parvalbumin and somatostatin interneurons shape social behavior in male mice. *Nature communications*, 16(1), 4156.

Jing J, et al. (2025) Molecular logic for cellular specializations that initiate the auditory parallel processing pathways. *Nature communications*, 16(1), 489.

van Adrichem JJ, et al. (2025) Progressive remote memory decline coincides with parvalbumin interneuron hyperexcitability and enhanced inhibition of cortical engram cells in a mouse model of Alzheimer's disease. *eLife*, 14.

Abdollahi Nejat M, et al. (2024) Continuous locomotor activity monitoring to assess animal welfare following intracranial surgery in mice. *Frontiers in behavioral neuroscience*, 18, 1457894.

Xu T, et al. (2024) Targeted sonogenetic modulation of GABAergic interneurons in the hippocampal CA1 region in status epilepticus. *Theranostics*, 14(16), 6373.

Lacagnina AF, et al. (2024) Ventral hippocampal interneurons govern extinction and relapse of contextual associations. *Cell reports*, 43(11), 114880.