

Resource Summary Report

Generated by [NIF](#) on Sep 8, 2026

B6.SJL-Slc6a3^{tm1.1}(cre)Bkmn/J

RRID:IMSR_JAX:006660

Type: Organism

Proper Citation

RRID:IMSR_JAX:006660

Organism Information

URL: <https://www.jax.org/strain/006660>

Proper Citation: RRID:IMSR_JAX:006660

Description: Mus musculus with name B6.SJL-Slc6a3^{tm1.1}(cre)Bkmn/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |solute carrier family 6 (neurotransmitter transporter; dopamine); member 3; mutant strain|congenic strain: |Slc6a3

Affected Gene: |solute carrier family 6 (neurotransmitter transporter; dopamine); member 3

Genomic Alteration: targeted mutation 1.1; Cristina M Backman

Catalog Number: JAX:006660

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.SJL-Slc6a3^{tm1.1}(cre)Bkmn/J

Record Creation Time: 20250513T053658+0000

Record Last Update: 20260905T044441+0000

Ratings and Alerts

No rating or validation information has been found for B6.SJL-Slc6a3^{tm1.1}(cre)Bkmn/J.

No alerts have been found for B6.SJL-Slc6a3^{tm1.1(cre)Bkmn}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 301 mentions in open access literature.

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

Gruber T, et al. (2026) Midbrain Tet1 dosage defines inter-individual binge-eating susceptibility. bioRxiv : the preprint server for biology.

Kim CY, et al. (2026) Protocol to design and implement scalable wireless network system for high-throughput, automated behavioral and circuit neuroscience in mice. STAR protocols, 7(2), 104453.

Luján MÁ, et al. (2026) Midbrain endocannabinoids actuate dopamine-based action selection. Cell reports, 45(5), 117298.

Mukherjee S, et al. (2026) A single Citrobacter rodentium infection in Pink1 knockout and wild-type mice leads to regional blood-brain-barrier perturbation and limited microglial activation without dopamine neuron axon terminal loss. PLoS pathogens, 22(6), e1014315.

Kim H, et al. (2026) Cell type-specific barcoding reveals the single-neuron projectional architecture of the mouse midbrain dopaminergic system. bioRxiv : the preprint server for biology.

Belal M, et al. (2026) Cholinergic interneuron control of GABAergic circuits targeting spiny projection neurons is disrupted in parkinsonian models. bioRxiv : the preprint server for biology.

Zhang L, et al. (2026) Genetically encoded fluorescent reporters to visualize α -synuclein pathology in live brain. Cell, 189(7), 2108.

Zheng C, et al. (2026) Converging dopamine pathways onto basolateral amygdala neurons encode exploration decisions. Neuron, 114(6), 1131.

Godschall EN, et al. (2026) A brain reward circuit inhibited by next-generation weight-loss drugs in mice. Nature, 654(8120), 1055.

Couty P, et al. (2026) Vitamin A deficiency induces sex-specific reward processing alterations through a dysregulation of the mesolimbic dopamine transmission in mice. Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology.

Choi SJ, et al. (2026) α -Synuclein expression is required for somatodendritic dopamine release and immediate early gene induction. *Science advances*, 12(5), eady6978.

de Velasco EMF, et al. (2026) AAV-only targeting of ventral tegmental area dopamine neurons for optical self-stimulation studies in mice. *bioRxiv : the preprint server for biology*.

Liu X, et al. (2026) A bone-derived hormone permits rapid visual escape via GPR37 receptor in a subpopulation of VTA GABAergic neurons. *Neuron*, 114(9), 1594.

Su XY, et al. (2026) A touch-guided neural circuit regulates motivated gnawing to maintain dental alignment. *Neuron*, 114(11), 2020.

Kim J, et al. (2026) Electromagnetic field-inducible in vivo gene switch for remote spatiotemporal control of gene expression. *Cell*, 189(11), 3465.

Kim H, et al. (2026) POINTseq: Cell-type-specific barcoding reveals single-cell projection architecture of the mouse dopaminergic system. *Neuron*.

Bartas K, et al. (2026) Drug-induced changes in connectivity to midbrain dopamine cells revealed by rabies monosynaptic tracing. *eLife*, 13.

Li R, et al. (2026) Hyperexcitable VTA-mPFC dopaminergic circuit disrupts sleep spindle and mediates sleep fragmentation after chronic social defeat stress. *Neuron*.

AbdelRahman NY, et al. (2026) Composing trajectories for rapid inference of navigational goals. *Neuron*.

Yang X, et al. (2026) A sync state in the midbrain dopamine network for interoceptive nutrient learning. *Neuron*.