Resource Summary Report

Generated by nidm-terms on Jul 28, 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: 20260725T044411+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 281 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Stowell R, et al. (2025) Dopaminergic signaling regulates microglial surveillance and adolescent plasticity in the mouse frontal cortex. Nature communications, 16(1), 7974.

Zhong S, et al. (2025) Ultrabright chemical labeling enables rapid neural connectivity profiling in large tissue samples. Neuron.

Drumond-Bock AL, et al. (2025) Parallel Gene Expression Changes in Ventral Midbrain Dopamine and GABA Neurons during Normal Aging. eNeuro, 12(5).

Miyasaka A, et al. (2025) Sequential transitions of male sexual behaviors driven by dual acetylcholine-dopamine dynamics. Neuron, 113(8), 1240.

Zhu Z, et al. (2025) Hedonic eating is controlled by dopamine neurons that oppose GLP-1R satiety. Science (New York, N.Y.), 387(6741), eadt0773.

Tsutsui-Kimura I, et al. (2025) Dopamine in the tail of the striatum facilitates avoidance in threat-reward conflicts. Nature neuroscience, 28(4), 795.

Tolooshams B, et al. (2025) Interpretable deep learning for deconvolutional analysis of neural signals. Neuron, 113(8), 1151.

Li L, et al. (2025) Selective loss of Scn2a in ventral tegmental area dopaminergic neurons leads to dopamine system hypofunction and autistic-like behaviors. Neuron.

Batten SR, et al. (2025) Emotional words evoke region- and valence-specific patterns of concurrent neuromodulator release in human thalamus and cortex. Cell reports, 44(1), 115162.

Liebana S, et al. (2025) Dopamine encodes deep network teaching signals for individual learning trajectories. Cell, 188(14), 3789.

Damonte VM, et al. (2025) Kappa opioid receptors control a stress-sensitive brain circuit and drive cocaine seeking. bioRxiv : the preprint server for biology.

Huang L, et al. (2025) Coding principles of dopaminergic transmission modes. Science advances, 11(22), eadx6367.

Tasaka GI, et al. (2025) Orbitofrontal cortex influences dopamine dynamics associated with alloparental behavioral acquisition in female mice. Science advances, 11(27), eadr4620.

Huang X, et al. (2025) Bright-light treatment ameliorates motor and non-motor deficits through distinct visual circuits in a mouse model of Parkinson's disease. Cell reports, 44(6), 115865.

Rademacher K, et al. (2025) Chronic hyperactivation of midbrain dopamine neurons causes preferential dopamine neuron degeneration. eLife, 13.

Chen C, et al. (2025) Leucine-rich repeat kinase 2 impairs the release sites of Parkinson's disease vulnerable dopamine axons. bioRxiv : the preprint server for biology.

Dorrego-Rivas A, et al. (2025) Strikingly different neurotransmitter release strategies in dopaminergic subclasses. eLife, 14.

Srinivasan S, et al. (2025) Evidence for low affinity of GABA at the vesicular monoamine transporter VMAT2 - Implications for transmitter co-release from dopamine neurons. Neuropharmacology, 270, 110367.

Recinto SJ, et al. (2025) PINK1 deficiency rewires early immune responses in a mouse model of Parkinson's disease triggered by intestinal infection. NPJ Parkinson's disease, 11(1), 133.

Lodder B, et al. (2025) Absolute measurement of fast and slow neuronal signals with fluorescence lifetime photometry at high temporal resolution. Neuron.