

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

B6.Cg-7630403G23RikTg(Th-cre)1Tmd/J

RRID:IMSR_JAX:008601

Type: Organism

Proper Citation

RRID:IMSR_JAX:008601

Organism Information

URL: <https://www.jax.org/strain/008601>

Proper Citation: RRID:IMSR_JAX:008601

Description: Mus musculus with name B6.Cg-7630403G23Rik^{Tg(Th-cre)1Tmd/J} from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Th-cre)1Tmd/J

Notes: gene symbol note: RIKEN cDNA 7630403G23 gene|tyrosine hydroxylase|; congenic strain: 7630403G23Rik|Th|

Affected Gene: RIKEN cDNA 7630403G23 gene|tyrosine hydroxylase|

Genomic Alteration: transgene insertion 1; Ted M Dawson

Catalog Number: JAX:008601

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.Cg-7630403G23Rik^{Tg(Th-cre)1Tmd/J}

Record Creation Time: 20250513T053710+0000

Record Last Update: 20260725T044421+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-7630403G23Rik^{Tg(Th-cre)}1Tmd/J.

No alerts have been found for B6.Cg-7630403G23Rik^{Tg(Th-cre)}1Tmd/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 60 mentions in open access literature.

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

de Sousa ME, et al. (2026) Effects of IGF-1 receptor inactivation in tyrosine hydroxylase cells on body growth and growth hormone secretion. *Life sciences*, 385, 124125.

Johnson NL, et al. (2025) Dopaminergic signaling to ventral striatum neurons initiates sniffing behavior. *Nature communications*, 16(1), 336.

Li H, et al. (2025) An alternative neural basis underlying leptin resistance. *Cell reports*, 44(7), 115863.

Wu Z, et al. (2025) The p75 neurotrophin receptor controls the skeletal stem cell niche through sensory innervation. *Developmental cell*.

Olson WP, et al. (2025) Muscle spindles provide flexible sensory feedback for movement sequences. *Cell reports*, 44(11), 116452.

Xin Q, et al. (2025) Neuron-astrocyte coupling in lateral habenula mediates depressive-like behaviors. *Cell*, 188(12), 3291.

Sharma D, et al. (2025) A myeloid Tet2-IL-1?? axis modulates intestinal inflammation by restricting catecholaminergic stimulation of enterochromaffin cell differentiation. *Immunity*, 58(11), 2785.

Pagiazitis JG, et al. (2025) Catecholaminergic dysfunction drives postural and locomotor deficits in a mouse model of spinal muscular atrophy. *Cell reports*, 44(1), 115147.

Ma Q, et al. (2025) Oligodendrocytes drive neuroinflammation and neurodegeneration in Parkinson's disease via the prosaposin-GPR37-IL-6 axis. *Cell reports*, 44(2), 115266.

Sanchez J, et al. (2025) Targeted inhibition of mu-opioid receptors in neuronal subpopulations by membrane-tethered Naloxo-DART antagonists. *Cell chemical biology*, 32(12), 1473.

Liu T, et al. (2024) An axon-T cell feedback loop enhances inflammation and axon degeneration. *Cell reports*, 43(2), 113721.

Zhang L, et al. (2024) Trigeminal innervation and tactile responses in mouse tongue. *Cell reports*, 43(9), 114665.

Johnson NL, et al. (2024) Sniffing can be initiated by dopamine's actions on ventral striatum neurons. *bioRxiv : the preprint server for biology*.

Wang T, et al. (2024) Conditional c-MYC activation in catecholaminergic cells drives distinct neuroendocrine tumors: neuroblastoma vs somatostatinoma. *bioRxiv : the preprint server for biology*.

Jiang Z, et al. (2024) Dopaminergic Neurons in Zona Incerta Drives Appetitive Self-Grooming. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(36), e2308974.

Matityahu L, et al. (2024) Synchronous activation of striatal cholinergic interneurons induces local serotonin release. *bioRxiv : the preprint server for biology*.

Pomrenze MB, et al. (2024) 5-HT_{2C} receptors in the nucleus accumbens constrain the rewarding effects of MDMA. *bioRxiv : the preprint server for biology*.

Hamacher C, et al. (2024) A revised conceptual framework for mouse vomeronasal pumping and stimulus sampling. *Current biology : CB*, 34(6), 1206.

Weiss E, et al. (2024) Optogenetic Locus Coeruleus Stimulation Improves Pupil Size Tracking of Cortical State. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual International Conference*, 2024, 1.

Iannitelli AF, et al. (2023) Tyrosinase-induced neuromelanin accumulation triggers rapid dysregulation and degeneration of the mouse locus coeruleus. *bioRxiv : the preprint server for biology*.