

# Resource Summary Report

Generated by [NIF](#) on Sep 22, 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<sup>Tg(Th-cre)1Tmd/J</sup> from IMSR.

**Species:** Mus musculus

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

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

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

**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<sup>Tg(Th-cre)1Tmd/J</sup>

**Record Creation Time:** 20250513T053710+0000

**Record Last Update:** 20260919T054858+0000

### Ratings and Alerts

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

No alerts have been found for B6.Cg-7630403G23Rik<sup>Tg(Th-cre)</sup>1Tmd/J.

---

## Data and Source Information

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

**Source Database:** JAX Mice and Services

---

## Usage and Citation Metrics

We found 64 mentions in open access literature.

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

He A, et al. (2026) Amygdala astrocyte senescence drives stress-induced anxiety and hyperglycemia. *Cell metabolism*, 38(7), 1385.

Neri D, et al. (2026) Distinct sympathetic projections to brown fat regulate thermogenesis and glucose tolerance. *Nature metabolism*, 8(2), 313.

Puffer MS, et al. (2026) Kisspeptin made in the preoptic area is required for normal estradiol-induced LH surges and optimal fertility in females. *Endocrinology*, 167(6).

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.

Matityahu L, et al. (2026) Synchronous activation of striatal cholinergic interneurons induces local serotonin release. *Nature communications*, 17(1).

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.

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

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

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.

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

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.

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.

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

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*.

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*.

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*.