

# Resource Summary Report

Generated by [ASWG](#) on Jul 30, 2026

## B6.Cg-Tg(Myh11-cre.-EGFP)2Mik/J

RRID:IMSR\_JAX:007742

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:007742

### Organism Information

**URL:** <https://www.jax.org/strain/007742>

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**Description:** Mus musculus with name B6.Cg-Tg(Myh11-cre.-EGFP)2Mik/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: |myosin; heavy polypeptide 11; smooth muscle|transgene insertion 2; Michael I Kotlikoff; mutant strain: |Myh11|Tg(Myh11-cre;-EGFP)2Mik

**Affected Gene:** |myosin; heavy polypeptide 11; smooth muscle|transgene insertion 2; Michael I Kotlikoff

**Genomic Alteration:** transgene insertion 2; Michael I Kotlikoff

**Catalog Number:** JAX:007742

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** B6.Cg-Tg(Myh11-cre.-EGFP)2Mik/J

**Record Creation Time:** 20250513T053703+0000

**Record Last Update:** 20260725T044416+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Myh11-cre.-EGFP)2Mik/J.

No alerts have been found for B6.Cg-Tg(Myh11-cre.-EGFP)2Mik/J.

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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 13 mentions in open access literature.

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

Scharpf BR, et al. (2025) Prostatic Escherichia coli infection drives CCR2-dependent recruitment of fibrocytes and collagen production. Disease models & mechanisms, 18(1).

Ni Bhraonain EP, et al. (2024) Immunohistochemical characterization of interstitial cells and their spatial relationship to motor neurons within the mouse esophagus. Cell and tissue research.

Ni Bhraonain E, et al. (2024) Immunohistochemical characterization of interstitial cells and their relationship to motor neurons within the mouse esophagus. Research square.

Goodwin K, et al. (2023) Analysis of Cre lines for targeting embryonic airway smooth muscle. Developmental biology, 496, 63.

Kurahashi M, et al. (2022) PDGFR $\alpha$ <sup>+</sup> Interstitial Cells are Effector Cells of PACAP Signaling in Mouse and Human Colon. Cellular and molecular gastroenterology and hepatology, 14(2), 357.

Wang R, et al. (2022) Abi1 mediates airway smooth muscle cell proliferation and airway remodeling via Jak2/STAT3 signaling. iScience, 25(2), 103833.

Angueira AR, et al. (2021) Defining the lineage of thermogenic perivascular adipose tissue. Nature metabolism, 3(4), 469.

Turco AE, et al. (2021) A mechanism linking perinatal 2,3,7,8 tetrachlorodibenzo-p-dioxin exposure to lower urinary tract dysfunction in adulthood. Disease models & mechanisms, 14(7).

van Veluw SJ, et al. (2020) Vasomotion as a Driving Force for Paravascular Clearance in the Awake Mouse Brain. Neuron, 105(3), 549.

Cleary CM, et al. (2020) Vascular control of the CO<sub>2</sub>/H<sup>+</sup>-dependent drive to breathe. eLife, 9.

Rezay AC, et al. (2019) Plk1 Mediates Paxillin Phosphorylation (Ser-272), Centrosome Maturation, and Airway Smooth Muscle Layer Thickening in Allergic Asthma. Scientific reports, 9(1), 7555.

Wang Q, et al. (2017) Synergistic Signaling by Light and Acetylcholine in Mouse Iris Sphincter Muscle. *Current biology : CB*, 27(12), 1791.

Malhotra D, et al. (2016) Tolerance is established in polyclonal CD4(+) T cells by distinct mechanisms, according to self-peptide expression patterns. *Nature immunology*, 17(2), 187.