Resource Summary Report

Generated by NIF on Sep 18, 2026

B6.129S4-Myf5$^{tm3(cre)Sor}$/J

RRID:IMSR_JAX:007893
Type: Organism

Proper Citation

RRID:IMSR_JAX:007893

Organism Information

URL: https://www.jax.org/strain/007893

Proper Citation: RRID:IMSR_JAX:007893

Description: Mus musculus with name B6.129S4-Myf5$^{tm3(cre)Sor}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |myogenic factor 5; mutant strain|congenic strain: |Myf5

Affected Gene: |myogenic factor 5

Genomic Alteration: targeted mutation 3; Philippe Soriano

Catalog Number: JAX:007893

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4-Myf5$^{tm3(cre)Sor}$/J

Record Creation Time: 20250513T053704+0000

Record Last Update: 20260912T060450+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-Myf5$^{tm3(cre)Sor}$/J.

No alerts have been found for B6.129S4-Myf5$^{tm3(cre)Sor}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Moazzami Z, et al. (2025) Ketone body driven lipid remodeling supports thermogenic adaptation to fasting. bioRxiv : the preprint server for biology.

Li Y, et al. (2025) Lactylation of mTOR enhances autophagy in skeletal muscle during exercise. Cell chemical biology, 32(11), 1367.

Jun S, et al. (2023) Control of murine brown adipocyte development by GATA6. Developmental cell, 58(21), 2195.

Tokuoka H, et al. (2022) CDP-ribitol prodrug treatment ameliorates ISPD-deficient muscular dystrophy mouse model. Nature communications, 13(1), 1847.

Huang Z, et al. (2022) Brown adipose tissue involution associated with progressive restriction in progenitor competence. Cell reports, 39(2), 110575.

Yue F, et al. (2022) Lipid droplet dynamics regulate adult muscle stem cell fate. Cell reports, 38(3), 110267.

Bjorke B, et al. (2021) Oculomotor nerve guidance and terminal branching requires interactions with differentiating extraocular muscles. Developmental biology, 476, 272.

Kumar A, et al. (2020) SWELL1 regulates skeletal muscle cell size, intracellular signaling, adiposity and glucose metabolism. eLife, 9.

Feige P, et al. (2020) Isolation of satellite cells and transplantation into mice for lineage tracing in muscle. Nature protocols, 15(3), 1082.

Wang YX, et al. (2019) EGFR-Aurka Signaling Rescues Polarity and Regeneration Defects in Dystrophin-Deficient Muscle Stem Cells by Increasing Asymmetric Divisions. Cell stem cell, 24(3), 419.

Stone OA, et al. (2019) Paraxial Mesoderm Is the Major Source of Lymphatic Endothelium. Developmental cell, 50(2), 247.

Michalak SM, et al. (2017) Ocular Motor Nerve Development in the Presence and Absence of Extraocular Muscle. Investigative ophthalmology & visual science, 58(4), 2388.

Martinez-Lopez N, et al. (2017) System-wide Benefits of Intermeal Fasting by Autophagy. Cell metabolism, 26(6), 856.

Tischfield MA, et al. (2017) Cerebral Vein Malformations Result from Loss of Twist1 Expression and BMP Signaling from Skull Progenitor Cells and Dura. Developmental cell, 42(5), 445.