Resource Summary Report

Generated by SPARC SAWG on Aug 29, 2026

B6.FVB(129S4)-Tg(Ckmm-cre)5Khn/J

RRID:IMSR_JAX:006475
Type: Organism

Proper Citation

RRID:IMSR_JAX:006475

Organism Information

URL: https://www.jax.org/strain/006475

Proper Citation: RRID:IMSR_JAX:006475

Description: Mus musculus with name B6.FVB(129S4)-Tg(Ckmm-cre)5Khn/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: transgene insertion 5; C Ronald Kahn||creatine kinase; muscle; mutant strain|congenic strain: Tg(Ckmm-cre)5Khn||Ckm

Affected Gene: transgene insertion 5; C Ronald Kahn||creatine kinase; muscle

Genomic Alteration: transgene insertion 5; C Ronald Kahn

Catalog Number: JAX:006475

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.FVB(129S4)-Tg(Ckmm-cre)5Khn/J

Record Creation Time: 20250513T053657+0000

Record Last Update: 20260829T044953+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(129S4)-Tg(Ckmm-cre)5Khn/J.

No alerts have been found for B6.FVB(129S4)-Tg(Ckmm-cre)5Khn/J.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 58 mentions in open access literature.

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

Lan H, et al. (2026) Regenerating myofiber with activating of TGF-? signaling contributes to macrophage efferocytosis through enhancing Tregs response in inflamed muscle. Frontiers in immunology, 17, 1810106.

de Souza Leite F, et al. (2025) Muscle-specific increased expression of JAG1 improves the skeletal muscle phenotype in dystrophin-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 122(39), e2506437122.

Li AH, et al. (2025) Systemic Glucose Homeostasis Requires Pancreatic but Not Neuronal ATP-sensitive Potassium Channels. Function (Oxford, England), 6(1).

Su Y, et al. (2025) CD47-blocking antibody confers metabolic benefits against obesity. Cell reports. Medicine, 6(5), 102089.

de Souza Leite F, et al. (2025) Muscle-specific increased expression of JAG1 improves skeletal muscle phenotype in dystrophin-deficient mice. bioRxiv : the preprint server for biology.

Yee RSZ, et al. (2025) Phosphorylation of RYR1 at Ser2902 decreases Ca2+ leak in skeletal muscle and susceptibility to malignant hyperthermia and heat stroke. Science signaling, 18(907), eadx3087.

Feng F, et al. (2024) Aerobic Exercise Protects against Cardiotoxin-Induced Skeletal Muscle Injury in a DDAH1-Dependent Manner. Antioxidants (Basel, Switzerland), 13(9).

Joshi AS, et al. (2024) Single-nucleus transcriptomic analysis reveals the regulatory circuitry of myofiber XBP1 during regenerative myogenesis. iScience, 27(12), 111372.

Xiao J, et al. (2023) IRE1? arm of unfolded protein response in muscle-specific TGF-? signaling-mediated regulation of muscle cell immunological properties. Cellular & molecular biology letters, 28(1), 15.

Xu H, et al. (2023) 20(S)-ginsenoside Rg3 exerts anti-fibrotic effect after myocardial infarction by alleviation of fibroblasts proliferation and collagen deposition through TGFBR1 signaling pathways. Journal of ginseng research, 47(6), 743.

Feng F, et al. (2023) DDAH1 Protects against Cardiotoxin-Induced Muscle Injury and Regeneration. Antioxidants (Basel, Switzerland), 12(9).

He X, et al. (2022) Cardiac CIP protein regulates dystrophic cardiomyopathy. Molecular therapy : the journal of the American Society of Gene Therapy, 30(2), 898.

Li Q, et al. (2022) Dynamin-2 reduction rescues the skeletal myopathy of a SPEG-deficient mouse model. JCI insight, 7(15).

Orengo JP, et al. (2022) Reduction of mutant ATXN1 rescues premature death in a conditional SCA1 mouse model. JCI insight, 7(8).

McMillin SL, et al. (2022) Muscle-Specific Ablation of Glucose Transporter 1 (GLUT1) Does Not Impair Basal or Overload-Stimulated Skeletal Muscle Glucose Uptake. Biomolecules, 12(12).

Ranu N, et al. (2022) NEB mutations disrupt the super-relaxed state of myosin and remodel the muscle metabolic proteome in nemaline myopathy. Acta neuropathologica communications, 10(1), 185.

Gao S, et al. (2022) UBR2 targets myosin heavy chain IIb and IIx for degradation: Molecular mechanism essential for cancer-induced muscle wasting. Proceedings of the National Academy of Sciences of the United States of America, 119(43), e2200215119.

Valussi M, et al. (2021) Repression of Osmr and Fgfr1 by miR-1/133a prevents cardiomyocyte dedifferentiation and cell cycle entry in the adult heart. Science advances, 7(42), eabi6648.

Iwabu M, et al. (2021) AdipoR agonist increases insulin sensitivity and exercise endurance in AdipoR-humanized mice. Communications biology, 4(1), 45.

Xirouchaki CE, et al. (2021) Skeletal muscle NOX4 is required for adaptive responses that prevent insulin resistance. Science advances, 7(51), eabl4988.