

Resource Summary Report

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B6.FVB(129)-A1cf^{Tg(Myh6-cre/Esr1*)}1Jmk/J

RRID:IMSR_JAX:005657

Type: Organism

Proper Citation

RRID:IMSR_JAX:005657

Organism Information

URL: <https://www.jax.org/strain/005657>

Proper Citation: RRID:IMSR_JAX:005657

Description: Mus musculus with name B6.FVB(129)-A1cf^{Tg(Myh6-cre/Esr1*)}1Jmk/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Myh6-cre/Esr1)1Jmk/J. B6.FVB(129)-Tg(Myh6-cre/Esr1*)1Jmk/J

Notes: gene symbol note: APOBEC1 complementation factor|myosin; heavy polypeptide 6; cardiac muscle; alpha|; mutant strain|congenic strain: A1cf|Myh6|

Affected Gene: APOBEC1 complementation factor|myosin; heavy polypeptide 6; cardiac muscle; alpha|

Genomic Alteration: transgene insertion 1; Jeffery D Molkenin

Catalog Number: JAX:005657

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6.FVB(129)-A1cf^{Tg(Myh6-cre/Esr1*)}1Jmk/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050600+0000

Ratings and Alerts

No rating or validation information has been found for B6.FVB(129)-A1cf^{Tg(Myh6-cre/Esr1*)}1Jmk/J.

No alerts have been found for B6.FVB(129)-A1cf^{Tg(Myh6-cre/Esr1*)}1Jmk/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Stewart JE, et al. (2026) GCN5L1-Mediated Lysine Acetylation Regulates Mitochondrial Bioenergetics and Redox Homeostasis in the Aged Heart. *Antioxidants* (Basel, Switzerland), 15(4).

Kiessling M, et al. (2025) A transmission electron microscopy platform for assessing mitochondrial and nuclear architecture in cardiomyocytes. *Cell reports methods*, 5(11), 101212.

Bugga P, et al. (2025) GCN5L1 inhibits pyruvate dehydrogenase phosphorylation during cardiac ischemia-reperfusion injury. *bioRxiv : the preprint server for biology*.

Meng F, et al. (2025) SARS-CoV-2 NSP13 interacts with TEAD to suppress Hippo-YAP signaling. *eLife*, 13.

Mohr ME, et al. (2024) Cardiomyocyte-fibroblast interaction regulates ferroptosis and fibrosis after myocardial injury. *iScience*, 27(3), 109219.

En A, et al. (2024) Pervasive nuclear envelope ruptures precede ECM signaling and disease onset without activating cGAS-STING in Lamin-cardiomyopathy mice. *Cell reports*, 43(6), 114284.

Wright T, et al. (2024) Anti-apoptotic MCL-1 promotes long-chain fatty acid oxidation through interaction with ACSL1. *Molecular cell*.

Deb A, et al. (2024) Conditional ablation of MCU exacerbated cardiac pathology in a genetic arrhythmic model of CPVT. *Journal of molecular and cellular cardiology plus*, 10.

Lei Y, et al. (2023) Cooperative sensing of mitochondrial DNA by ZBP1 and cGAS promotes cardiotoxicity. *Cell*, 186(14), 3013.

Karsenty C, et al. (2023) Ephrin-B1 regulates the adult diastolic function through a late postnatal maturation of cardiomyocyte surface crests. *eLife*, 12.

- Mastrototaro G, et al. (2023) Ablation of palladin in adult heart causes dilated cardiomyopathy associated with intercalated disc abnormalities. *eLife*, 12.
- Wu Y, et al. (2023) Hepatic soluble epoxide hydrolase activity regulates cerebral A β metabolism and the pathogenesis of Alzheimer's disease in mice. *Neuron*, 111(18), 2847.
- Li L, et al. (2022) Calpain-mediated protein targets in cardiac mitochondria following ischemia-reperfusion. *Scientific reports*, 12(1), 138.
- Song S, et al. (2022) Myocardial Rev-erb-Mediated Diurnal Metabolic Rhythm and Obesity Paradox. *Circulation*, 145(6), 448.
- Lan C, et al. (2022) Inhibition of DYRK1A, via histone modification, promotes cardiomyocyte cell cycle activation and cardiac repair after myocardial infarction. *EBioMedicine*, 82, 104139.
- Nemir M, et al. (2022) Inhibition of the NOTCH1 Pathway in the Stressed Heart Limits Fibrosis and Promotes Recruitment of Non-Myocyte Cells into the Cardiomyocyte Fate. *Journal of cardiovascular development and disease*, 9(4).
- Martinez EC, et al. (2022) Targeting mAKAP β expression as a therapeutic approach for ischemic cardiomyopathy. *Gene therapy*.
- Zhang S, et al. (2021) Adenylate kinase AK2 isoform integral in embryo and adult heart homeostasis. *Biochemical and biophysical research communications*, 546, 59.
- Asanovi β I, et al. (2021) The oxidoreductase PYROXD1 uses NAD(P) $^{+}$ as an antioxidant to sustain tRNA ligase activity in pre-tRNA splicing and unfolded protein response. *Molecular cell*, 81(12), 2520.
- Bekdash R, et al. (2021) GEM-IL: A highly responsive fluorescent lactate indicator. *Cell reports methods*, 1(7), 100092.