Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 12, 2025

STOCK Myl1$^{tm1(cre)Sjb}$/J

RRID:IMSR_JAX:024713
Type: Organism

Proper Citation

RRID:IMSR_JAX:024713

Organism Information

URL: https://www.jax.org/strain/024713

Proper Citation: RRID:IMSR_JAX:024713

Description: Mus musculus with name STOCK Myl1$^{tm1(cre)Sjb}$/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: myosin; light polypeptide 1|; mutant stock: Myl1|

Affected Gene: myosin; light polypeptide 1|

Genomic Alteration: targeted mutation 1; Steven J Burden

Catalog Number: JAX:024713

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: sperm

Alternate IDs: IMSR_JAX:24713

Organism Name: STOCK Myl1$^{tm1(cre)Sjb}$/J

Record Creation Time: 20230509T193320+0000

Record Last Update: 20250412T090650+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Myl1$^{tm1(cre)Sjb}$/J.

No alerts have been found for STOCK Myl1$^{tm1(cre)Sjb}$/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 11 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF?-Smad2/3-ATF4-dependent manner. Cell reports, 43(5), 114149.

Aby K, et al. (2023) ProBDNF Upregulation in Murine Hind Limb Ischemia Reperfusion Injury: A Driver of Inflammation. Biology, 12(7).

Yasuda T, et al. (2023) Mitochondrial dynamics define muscle fiber type by modulating cellular metabolic pathways. Cell reports, 42(5), 112434.

Southwell N, et al. (2023) A coordinated multiorgan metabolic response contributes to human mitochondrial myopathy. EMBO molecular medicine, e16951.

Song MY, et al. (2022) Sirt6 reprograms myofibers to oxidative type through CREB-dependent Sox6 suppression. Nature communications, 13(1), 1808.

Tang Y, et al. (2022) TIGAR deficiency enhances skeletal muscle thermogenesis by increasing neuromuscular junction cholinergic signaling. eLife, 11.

Yao T, et al. (2022) Obese Skeletal Muscle-Expressed Interferon Regulatory Factor 4 Transcriptionally Regulates Mitochondrial Branched-Chain Aminotransferase Reprogramming Metabolome. Diabetes, 71(11), 2256.

Zhu X, et al. (2020) IRF4 in Skeletal Muscle Regulates Exercise Capacity via PTG/Glycogen Pathway. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 7(19), 2001502.

Gao H, et al. (2020) UCHL1 regulates oxidative activity in skeletal muscle. PloS one, 15(11), e0241716.

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

Gao H, et al. (2019) UCHL1 regulates muscle fibers and mTORC1 activity in skeletal muscle.

Life sciences, 233, 116699.