Resource Summary Report

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

STOCK Tg(ACTA1-cre/Esr1*)2Kesr/J

RRID:IMSR_JAX:025750
Type: Organism

Proper Citation

RRID:IMSR_JAX:025750

Organism Information

URL: https://www.jax.org/strain/025750

Proper Citation: RRID:IMSR_JAX:025750

Description: Mus musculus with name STOCK Tg(ACTA1-cre/Esr1*)2Kesr/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(ACTA1-cre/Esr1*)2Kesr/J

Notes: gene symbol note: transgene insertion 2; Karyn A Esser|actin; alpha 1; skeletal muscle|Cre recombinase and estrogen receptor 1 fusion gene; mutant stock: Tg(ACTA1-cre/Esr1*)2Kesr|ACTA1|cre/Esr1

Affected Gene: transgene insertion 2; Karyn A Esser|actin; alpha 1; skeletal muscle|Cre recombinase and estrogen receptor 1 fusion gene

Genomic Alteration: transgene insertion 2; Karyn A Esser

Catalog Number: JAX:025750

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:25750

Organism Name: STOCK Tg(ACTA1-cre/Esr1*)2Kesr/J

Record Creation Time: 20230509T193321+0000

Record Last Update: 20250412T090700+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(ACTA1-cre/Esr1*)2Kesr/J.

No alerts have been found for STOCK Tg(ACTA1-cre/Esr1*)2Kesr/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Qu Q, et al. (2024) Lithocholic acid binds TULP3 to activate sirtuins and AMPK to slow down ageing. Nature.

Fordjour FK, et al. (2023) Exomap1 mouse: a transgenic model for in vivo studies of exosome biology. bioRxiv : the preprint server for biology.

Roy A, et al. (2023) Targeted regulation of TAK1 counteracts dystrophinopathy in a DMD mouse model. JCI insight, 8(10).

Araki H, et al. (2023) LSD1 defines the fiber type-selective responsiveness to environmental stress in skeletal muscle. eLife, 12.

Harrigan ME, et al. (2023) Lesion level-dependent systemic muscle wasting after spinal cord injury is mediated by glucocorticoid signaling in mice. Science translational medicine, 15(727), eadh2156.

Roy A, et al. (2022) Supraphysiological activation of TAK1 promotes skeletal muscle growth and mitigates neurogenic atrophy. Nature communications, 13(1), 2201.

Meyer GA, et al. (2022) Tenotomy-induced muscle atrophy is sex-specific and independent of NF?B. eLife, 11.

Alves de Souza RW, et al. (2021) Skeletal muscle heme oxygenase-1 activity regulates aerobic capacity. Cell reports, 35(3), 109018.

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

Steinert ND, et al. (2021) Mapping of the contraction-induced phosphoproteome identifies TRIM28 as a significant regulator of skeletal muscle size and function. Cell reports, 34(9), 108796.

Masson SWC, et al. (2020) ?-catenin regulates muscle glucose transport via actin remodelling and M-cadherin binding. Molecular metabolism, 42, 101091.

Gnad T, et al. (2020) Adenosine/A2B Receptor Signaling Ameliorates the Effects of Aging and Counteracts Obesity. Cell metabolism, 32(1), 56.

Zhang ZK, et al. (2018) Long Noncoding RNA lncMUMA Reverses Established Skeletal Muscle Atrophy following Mechanical Unloading. Molecular therapy : the journal of the American Society of Gene Therapy, 26(11), 2669.

Martins VF, et al. (2018) Calorie Restriction-Induced Increase in Skeletal Muscle Insulin Sensitivity Is Not Prevented by Overexpression of the p55? Subunit of Phosphoinositide 3-Kinase. Frontiers in physiology, 9, 789.

Ehlen JC, et al. (2017) Bmal1 function in skeletal muscle regulates sleep. eLife, 6.

Cokorinos EC, et al. (2017) Activation of Skeletal Muscle AMPK Promotes Glucose Disposal and Glucose Lowering in Non-human Primates and Mice. Cell metabolism, 25(5), 1147.