Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 17, 2025

B6.Cg-Tg(CAG-cre/Esr1*)5Amc/J

RRID:IMSR_JAX:004682
Type: Organism

Proper Citation

RRID:IMSR_JAX:004682

Organism Information

URL: https://www.jax.org/strain/004682

Proper Citation: RRID:IMSR_JAX:004682

Description: Mus musculus with name B6.Cg-Tg(CAG-cre/Esr1*)5Amc/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(cre/Esr1)5Amc/J. B6.Cg-Tg(CAG-cre/Esr1)5Amc/J

Notes: gene symbol note: transgene insertion 5; Andrew P McMahon|Cre recombinase and estrogen receptor 1 fusion gene|actin; beta|transgene insertion 5; Andrew P McMahon|Cre recombinase and estrogen receptor 1 fusion gene|actin; beta; mutant strain: Tg(CAG-cre/Esr1*)5Amc|cre/Esr1|ACTB|Tg(CAG-cre/Esr1*)5Amc|cre/Esr1|ACTB

Affected Gene: transgene insertion 5; Andrew P McMahon|Cre recombinase and estrogen receptor 1 fusion gene|actin; beta|transgene insertion 5; Andrew P McMahon|Cre recombinase and estrogen receptor 1 fusion gene|actin; beta

Genomic Alteration: transgene insertion 5; Andrew P McMahon

Catalog Number: JAX:004682

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: live

Alternate IDs: IMSR_JAX:4682

Organism Name: B6.Cg-Tg(CAG-cre/Esr1*)5Amc/J

Record Creation Time: 20230509T193244+0000

Record Last Update: 20250412T090319+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(CAG-cre/Esr1*)5Amc/J.

No alerts have been found for B6.Cg-Tg(CAG-cre/Esr1*)5Amc/J.

Data and Source Information

Source: Integrated Animals

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 86 mentions in open access literature.

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

Farhat B, et al. (2024) Understanding the cell fate and behavior of progenitors at the origin of the mouse cardiac mitral valve. Developmental cell, 59(3), 339.

Yadav MK, et al. (2024) MAFB in macrophages regulates cold-induced neuronal density in brown adipose tissue. Cell reports, 43(4), 113978.

Kao YR, et al. (2024) An iron rheostat controls hematopoietic stem cell fate. Cell stem cell, 31(3), 378.

Moir RD, et al. (2024) Molecular basis of neurodegeneration in a mouse model of Polr3-related disease. eLife, 13.

Dai W, et al. (2024) Nucleoporin Seh1 controls murine neocortical development via transcriptional repression of p21 in neural stem cells. Developmental cell, 59(4), 482.

Zhao F, et al. (2024) Apoptosis signal-regulating kinase 1 (Ask1) deficiency alleviates MPP+-induced impairment of evoked dopamine release in the mouse hippocampus. Frontiers in cellular neuroscience, 18, 1288991.

Watanuki S, et al. (2024) SDHAF1 confers metabolic resilience to aging hematopoietic stem

cells by promoting mitochondrial ATP production. Cell stem cell, 31(8), 1145.

Gao KM, et al. (2024) Endothelial cell expression of a STING gain-of-function mutation initiates pulmonary lymphocytic infiltration. Cell reports, 43(4), 114114.

Reinhard JR, et al. (2023) Nerve pathology is prevented by linker proteins in mouse models for LAMA2-related muscular dystrophy. PNAS nexus, 2(4), pgad083.

Urbanus J, et al. (2023) DRAG in situ barcoding reveals an increased number of HSPCs contributing to myelopoiesis with age. Nature communications, 14(1), 2184.

Sheehan PW, et al. (2023) An astrocyte BMAL1-BAG3 axis protects against alpha-synuclein and tau pathology. Neuron, 111(15), 2383.

Bakalar D, et al. (2023) Constitutive and conditional deletion reveals distinct phenotypes driven by developmental versus neurotransmitter actions of the neuropeptide PACAP. Journal of neuroendocrinology, 35(11), e13286.

Suzuki R, et al. (2022) Global Loss of Core 1-Derived O-Glycans in Mice Leads to High Mortality Due to Acute Kidney Failure and Gastric Ulcers. International journal of molecular sciences, 23(3).

Serowoky MA, et al. (2022) A murine model of large-scale bone regeneration reveals a selective requirement for Sonic Hedgehog. NPJ Regenerative medicine, 7(1), 30.

Lees-Shepard JB, et al. (2022) An anti-ACVR1 antibody exacerbates heterotopic ossification by fibro-adipogenic progenitors in fibrodysplasia ossificans progressiva mice. The Journal of clinical investigation, 132(12).

Thakur S, et al. (2022) Chromatin Remodeler Smarca5 Is Required for Cancer-Related Processes of Primary Cell Fitness and Immortalization. Cells, 11(5).

Nava A, et al. (2022) Mice with lung airway ciliopathy develop persistent Mycobacterium abscessus lung infection and have a proinflammatory lung phenotype associated with decreased T regulatory cells. Frontiers in immunology, 13, 1017540.

Azarnia Tehran D, et al. (2022) Selective endocytosis of Ca2+-permeable AMPARs by the Alzheimer's disease risk factor CALM bidirectionally controls synaptic plasticity. Science advances, 8(21), eabl5032.

Dong C, et al. (2022) Pro-inflammatory cytokines and leukocyte integrins associated with chronic neuropathic pain in traumatic and inflammatory neuropathies: Initial observations and hypotheses. Frontiers in immunology, 13, 935306.

Galán-Martínez J, et al. (2022) TCFL5 deficiency impairs the pachytene to diplotene transition during spermatogenesis in the mouse. Scientific reports, 12(1), 10956.