

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

C57BL/6-Tg(Adipoq-icre/ERT2)1Soff/J

RRID:IMSR_JAX:025124

Type: Organism

Proper Citation

RRID:IMSR_JAX:025124

Organism Information

URL: <https://www.jax.org/strain/025124>

Proper Citation: RRID:IMSR_JAX:025124

Description: Mus musculus with name C57BL/6-Tg(Adipoq-icre/ERT2)1Soff/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Tg(Adipoq-cre/ERT2)1Soff/J

Notes: gene symbol note: transgene insertion 1; Stefan Offermanns|adiponectin; C1Q and collagen domain containing|Cre recombinase and estrogen receptor 1 (human) fusion gene; coisogenic strain|mutant strain: Tg(Adipoq-icre/ERT2)1Soff|Adipoq|cre/ERT2

Affected Gene: transgene insertion 1; Stefan Offermanns|adiponectin; C1Q and collagen domain containing|Cre recombinase and estrogen receptor 1 (human) fusion gene

Genomic Alteration: transgene insertion 1; Stefan Offermanns

Catalog Number: JAX:025124

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Tg(Adipoq-icre/ERT2)1Soff/J

Record Creation Time: 20250513T053753+0000

Record Last Update: 20260919T054938+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(Adipoq-icre/ERT2)1Soff/J.

No alerts have been found for C57BL/6-Tg(Adipoq-icre/ERT2)1Soff/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Diaz-Marin R, et al. (2026) Adipocytes influence choroidal neovascularization via PRDM16. EMBO molecular medicine, 18(6), 2379.

Chen D, et al. (2025) Fibroblast bioelectric signaling drives hair growth. Cell.

Naderi J, et al. (2025) Ceramide-induced FGF13 impairs systemic metabolic health. Cell metabolism, 37(5), 1206.

Wareing N, et al. (2024) Deletion of adipocyte Sine Oculis Homeobox Homolog 1 prevents lipolysis and attenuates skin fibrosis. bioRxiv : the preprint server for biology.

Roth L, et al. (2024) Thyroid hormones are required for thermogenesis of beige adipocytes induced by Zfp423 inactivation. Cell reports, 43(12), 114987.

Rahbani JF, et al. (2024) Parallel control of cold-triggered adipocyte thermogenesis by UCP1 and CKB. Cell metabolism, 36(3), 526.

Zhou C, et al. (2023) Sympathetic overdrive and unrestrained adipose lipolysis drive alcohol-induced hepatic steatosis in rodents. Molecular metabolism, 78, 101813.

Daamouch S, et al. (2023) Effects of adipocyte-specific Dkk1 deletion on bone homeostasis and obesity-induced bone loss in male mice. Endocrine connections, 12(11).

Sun L, et al. (2023) Dynamic interplay between IL-1 and WNT pathways in regulating dermal adipocyte lineage cells during skin development and wound regeneration. Cell reports, 42(6), 112647.

Sundaram VK, et al. (2023) Adipo-glial signaling mediates metabolic adaptation in peripheral nerve regeneration. Cell metabolism, 35(12), 2136.

Kwon J, et al. (2023) Mevalonate biosynthesis pathway regulates the development and survival of brown adipocytes. iScience, 26(3), 106161.

Granade ME, et al. (2022) Feeding desensitizes A1 adenosine receptors in adipose through FOXO1-mediated transcriptional regulation. *Molecular metabolism*, 63, 101543.

Jumabay M, et al. (2022) Progenitor cells from brown adipose tissue undergo neurogenic differentiation. *Scientific reports*, 12(1), 5614.

Caputa G, et al. (2022) Intracellular infection and immune system cues rewire adipocytes to acquire immune function. *Cell metabolism*, 34(5), 747.

Pereira RO, et al. (2021) OPA1 deletion in brown adipose tissue improves thermoregulation and systemic metabolism via FGF21. *eLife*, 10.

Yan C, et al. (2021) Peripheral-specific Y1 receptor antagonism increases thermogenesis and protects against diet-induced obesity. *Nature communications*, 12(1), 2622.

Dean JM, et al. (2020) MED19 Regulates Adipogenesis and Maintenance of White Adipose Tissue Mass by Mediating PPAR γ -Dependent Gene Expression. *Cell reports*, 33(1), 108228.

Zou W, et al. (2020) Ablation of Fat Cells in Adult Mice Induces Massive Bone Gain. *Cell metabolism*, 32(5), 801.

Petrus P, et al. (2019) Specific loss of adipocyte CD248 improves metabolic health via reduced white adipose tissue hypoxia, fibrosis and inflammation. *EBioMedicine*, 44, 489.

Velazquez-Villegas LA, et al. (2018) TGR5 signalling promotes mitochondrial fission and beige remodelling of white adipose tissue. *Nature communications*, 9(1), 245.