

Resource Summary Report

Generated by [RRID](#) on Jul 30, 2026

FVB-Tg(CAG-luc.-GFP)L2G85Chco/J

RRID:IMSR_JAX:008450

Type: Organism

Proper Citation

RRID:IMSR_JAX:008450

Organism Information

URL: <https://www.jax.org/strain/008450>

Proper Citation: RRID:IMSR_JAX:008450

Description: Mus musculus with name FVB-Tg(CAG-luc.-GFP)L2G85Chco/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: actin; beta|cytomegalovirus||luciferase|transgene insertion L2G85; Christopher H Contag; coisogenic strain: ACTB|CMV||luc|Tg(CAG-luc;-GFP)L2G85Chco

Affected Gene: actin; beta|cytomegalovirus||luciferase|transgene insertion L2G85; Christopher H Contag

Genomic Alteration: transgene insertion L2G85; Christopher H Contag

Catalog Number: JAX:008450

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB-Tg(CAG-luc.-GFP)L2G85Chco/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260725T044420+0000

Ratings and Alerts

No rating or validation information has been found for FVB-Tg(CAG-luc.-GFP)L2G85Chco/J.

No alerts have been found for FVB-Tg(CAG-luc.-GFP)L2G85Chco/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 [RRID](#) .

Strand KA, et al. (2026) Atomic Layering Thermostable Antigen and Adjuvant (ALTA ®) platform provides unique antigen delivery system through controlled release to improve immune response to vaccination. bioRxiv : the preprint server for biology.

Ver Heul AM, et al. (2025) RAG suppresses group 2 innate lymphoid cells. eLife, 13.

Wang YX, et al. (2025) Multiomic profiling reveals that prostaglandin E2 reverses aged muscle stem cell dysfunction, leading to increased regeneration and strength. Cell stem cell, 32(7), 1154.

Ver Heul AM, et al. (2024) RAG suppresses group 2 innate lymphoid cells. bioRxiv : the preprint server for biology.

Adu-Berchie K, et al. (2023) Adoptive T cell transfer and host antigen-presenting cell recruitment with cryogel scaffolds promotes long-term protection against solid tumors. Nature communications, 14(1), 3546.

Zhang L, et al. (2023) Flavonoids Quercetin and Kaempferol Are NR4A1 Antagonists and Suppress Endometriosis in Female Mice. Endocrinology, 164(10).

Wang X, et al. (2022) Engineered immunomodulatory accessory cells improve experimental allogeneic islet transplantation without immunosuppression. Science advances, 8(29), eabn0071.

Arjona M, et al. (2022) Tubastatin A maintains adult skeletal muscle stem cells in a quiescent state ex vivo and improves their engraftment ability in vivo. Stem cell reports, 17(1), 82.

Dorning A, et al. (2021) Bioluminescent imaging in induced mouse models of endometriosis reveals differences in four model variations. Disease models & mechanisms, 14(8).

Delarue Q, et al. (2021) Comparison of the effects of two therapeutic strategies based on olfactory ensheathing cell transplantation and repetitive magnetic stimulation after spinal cord injury in female mice. *Journal of neuroscience research*, 99(7), 1835.

Gheller BJ, et al. (2020) A defined N6-methyladenosine (m6A) profile conferred by METTL3 regulates muscle stem cell/myoblast state transitions. *Cell death discovery*, 6(1), 95.

Cheng CH, et al. (2020) Targeting Metabolism as a Platform for Inducing Allograft Tolerance in the Absence of Long-Term Immunosuppression. *Frontiers in immunology*, 11, 572.

Utz B, et al. (2020) Assessment of the WAP-Myc mouse mammary tumor model for spontaneous metastasis. *Scientific reports*, 10(1), 18733.

Sharkey J, et al. (2019) A Noninvasive Imaging Toolbox Indicates Limited Therapeutic Potential of Conditionally Activated Macrophages in a Mouse Model of Multiple Organ Dysfunction. *Stem cells international*, 2019, 7386954.

Maric T, et al. (2019) Bioluminescent-based imaging and quantification of glucose uptake in vivo. *Nature methods*, 16(6), 526.

Takahashi H, et al. (2019) TGF- β 2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. *Nature metabolism*, 1(2), 291.

Thakore PI, et al. (2018) RNA-guided transcriptional silencing in vivo with *S. aureus* CRISPR-Cas9 repressors. *Nature communications*, 9(1), 1674.

Judson RN, et al. (2018) Inhibition of Methyltransferase Setd7 Allows the In Vitro Expansion of Myogenic Stem Cells with Improved Therapeutic Potential. *Cell stem cell*, 22(2), 177.

Quarta M, et al. (2017) Bioengineered constructs combined with exercise enhance stem cell-mediated treatment of volumetric muscle loss. *Nature communications*, 8, 15613.

Rennert RC, et al. (2016) Microfluidic single-cell transcriptional analysis rationally identifies novel surface marker profiles to enhance cell-based therapies. *Nature communications*, 7, 11945.