

# Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

## C57BL/6-Tg(CAG-EGFP)1Osb/J

RRID:IMSR\_JAX:003291

Type: Organism

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### Proper Citation

RRID:IMSR\_JAX:003291

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### Organism Information

**URL:** <https://www.jax.org/strain/003291>

**Proper Citation:** RRID:IMSR\_JAX:003291

**Description:** Mus musculus with name C57BL/6-Tg(CAG-EGFP)1Osb/J from IMSR.

**Species:** Mus musculus

**Synonyms:** C57BL/6-Tg(ACTbEGFP)1Osb/J. B6-GFP. C57BL/6-Tg(ACTB-EGFP)1Osb/J. B6.GFP. B6-EGFP

**Notes:** gene symbol note: |transgene insertion 1; Research Institute for Microbial Diseases; Osaka University; mutant strain: |Tg(CAG-EGFP)1Osb

**Affected Gene:** |transgene insertion 1; Research Institute for Microbial Diseases; Osaka University

**Genomic Alteration:** transgene insertion 1; Research Institute for Microbial Diseases; Osaka University

**Catalog Number:** JAX:003291

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** live

**Organism Name:** C57BL/6-Tg(CAG-EGFP)1Osb/J

**Record Creation Time:** 20250513T053638+0000

**Record Last Update:** 20260905T044418+0000

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### Ratings and Alerts

No rating or validation information has been found for C57BL/6-Tg(CAG-EGFP)1Osb/J.

No alerts have been found for C57BL/6-Tg(CAG-EGFP)1Osb/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 99 mentions in open access literature.

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

Salinas MD, et al. (2026) Chaperone-mediated autophagy sustains pericyte stemness necessary for brain tissue homeostasis. *Journal of advanced research*, 80, 155.

Mun VV, et al. (2026) Evidence of Sertoli cell lineage contribution to the rete testis population during embryonic development. *Frontiers in cell and developmental biology*, 14, 1849381.

Chen K, et al. (2026) Amino acid supplementation enhances in vivo efficacy of lipid nanoparticle-mediated mRNA delivery in preclinical models. *Science translational medicine*, 18(840), eadx4097.

Ambrosi TH, et al. (2025) Basigin links altered skeletal stem cell lineage dynamics with glucocorticoid-induced bone loss and impaired angiogenesis. *Nature communications*, 16(1), 7606.

Sergienko KV, et al. (2025) Study of the Structure and Mechanical Properties of Ti-38Zr-11Nb Alloy. *Journal of functional biomaterials*, 16(4).

Hazir B, et al. (2025) Effects of intranasal neural stem cells transplantation on olfactory epithelium regeneration in an anosmia-induced mouse model. *Scientific reports*, 15(1), 17015.

Elchaninov A, et al. (2025) Cellular effects of splenectomy on liver regeneration after 70% resection. *Frontiers in cell and developmental biology*, 13, 1561815.

Venzin V, et al. (2025) CD4+ T cells license Kupffer cells to reverse CD8+ T cell dysfunction induced by hepatocellular priming. *Nature immunology*, 26(8), 1352.

Turner RT, et al. (2025) Adoptive Transfer of Lepr+ Bone Marrow Cells Attenuates the Osteopetrotic Phenotype of db/db Mice. *International journal of molecular sciences*, 26(11).

Xu Y, et al. (2025) Sensitized mast cells for targeted drug delivery and augmented cancer immunotherapy. *Cell*.

Ma W, et al. (2025) Embryonic mast cells arise from the Cpa3-expressing precursors but not granulocyte-monocyte progenitors. *Science China. Life sciences*, 68(8), 2363.

Pendse S, et al. (2025) Microvesicles secreted by CoCl<sub>2</sub>-primed mesenchymal stromal cells boost the functionality of hematopoietic stem cells cultured with them. *Annals of hematology*, 104(10), 5389.

Li ZK, et al. (2025) Adult bi-paternal offspring generated through direct modification of imprinted genes in mammals. *Cell stem cell*, 32(3), 361.

Li M, et al. (2024) Extracellular vesicles from apoptotic BMSCs ameliorate osteoporosis via transporting regenerative signals. *Theranostics*, 14(9), 3583.

Andreata F, et al. (2024) Therapeutic potential of co-signaling receptor modulation in hepatitis B. *Cell*, 187(15), 4078.

Mourtzi T, et al. (2024) Enhancement of endogenous midbrain neurogenesis by microneurotrophin BNN-20 after neural progenitor grafting in a mouse model of nigral degeneration. *Neural regeneration research*, 19(6), 1318.

Wrublewsky S, et al. (2024) Biofabrication of prevascularized spheroids for bone tissue engineering by fusion of microvascular fragments with osteoblasts. *Frontiers in bioengineering and biotechnology*, 12, 1436519.

Saranchova I, et al. (2024) A novel type-2 innate lymphoid cell-based immunotherapy for cancer. *Frontiers in immunology*, 15, 1317522.

Ates I, et al. (2024) Ex vivo gene editing and cell therapy for hereditary tyrosinemia type 1. *Hepatology communications*, 8(5).

Atsuta Y, et al. (2024) Direct reprogramming of non-limb fibroblasts to cells with properties of limb progenitors. *Developmental cell*, 59(3), 415.