Resource Summary Report

Generated by nidm-terms on Jul 30, 2026

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

RRID:IMSR_JAX:003291
Type: Organism

Proper Citation

RRID:IMSR_JAX:003291

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: 20260725T044348+0000

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.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 96 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

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

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.

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.

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).

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.

Pendse S, et al. (2025) Microvesicles secreted by CoCl2-primed mesenchymal stromal cells boost the functionality of hematopoietic stem cells cultured with them. Annals of hematology, 104(10), 5389.

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.

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.

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.

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

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.

Hostler AC, et al. (2024) Endothelial-specific CXCL12 regulates neovascularization during tissue repair and tumor progression. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(24), e70210.

Marvasti TB, et al. (2023) Heart Failure Impairs Bone Marrow Hematopoietic Stem Cell Function and Responses to Injury. Journal of the American Heart Association, 12(11), e027727.

Mishra P, et al. (2023) Rescue of Alzheimer's disease phenotype in a mouse model by transplantation of wild-type hematopoietic stem and progenitor cells. Cell reports, 42(8), 112956.