Resource Summary Report

Generated by ASWG on Sep 3, 2026

SD-Tg(UBC-EGFP)2BalRrrc

RRID:RRRC_00065
Type: Organism

Proper Citation

RRID:RRRC_00065

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=1300439

Proper Citation: RRID:RRRC_00065

Description: Rattus norvegicus with name SD-Tg(UBC-EGFP)2BalRrrc from RGD.

Species: Rattus norvegicus

Notes: This transgenic strain contains the enhanced green fluorescent protein gene under the control of the human ubiquitin-C promoter with a the woodchuck hepatitis virus posttranscriptional regulatory element (WRE). This transgenic strain was made by injecting the lentivirus vector containing the GFP construct (vector name FUGW) into SD rat embryos. Animals that exhibited fluorescence of tails where then mated. The colony was transferred from Carlos Lois, California Institute of Technology, Pasedena, California to the Rat Resource and Research Center in 2002. This strain has been maintained by backcrossing carrier males to SD stock females in order to segregate transgenes and maintain the SD background. The strain now carries a single transgene which is located at chromosome 14q21. Rat Resource and Research Center

Catalog Number: 00065

Background: transgenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Live Animals; Cryopreserved Embryo; Cryopreserved Sperm (as of 2017-07-10)

Alternate IDs: RGD_1300439, 1300439, RRRC_65, RRRC_065, RRRC_0065, RRRC_00065

Organism Name: SD-Tg(UBC-EGFP)2BalRrrc

Record Creation Time: 20230607T202005+0000

Record Last Update: 20260829T095457+0000

Ratings and Alerts

No rating or validation information has been found for SD-Tg(UBC-EGFP)2BalRrrc .

No alerts have been found for SD-Tg(UBC-EGFP)2BalRrrc .

Data and Source Information

Source: Integrated Animals

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Sun X, et al. (2025) Microvessel co-transplantation improves poor remuscularization by hiPSC-cardiomyocytes in a complex disease model of myocardial infarction and type 2 diabetes. Stem cell reports, 20(2), 102394.

Enrick M, et al. (2023) The Roles of Bone Marrow-Derived Stem Cells in Coronary Collateral Growth Induced by Repetitive Ischemia. Cells, 12(2).

Bhagwani AR, et al. (2023) A p53-TLR3 axis ameliorates pulmonary hypertension by inducing BMPR2 via IRF3. iScience, 26(2), 105935.

Rauff A, et al. (2023) Dynamic Biophysical Cues Near the Tip Cell Microenvironment Provide Distinct Guidance Signals to Angiogenic Neovessels. Annals of biomedical engineering, 51(8), 1835.

Hooks JST, et al. (2022) Synthetic hydrogels engineered to promote collecting lymphatic vessel sprouting. Biomaterials, 284, 121483.

Sun X, et al. (2022) Isolation of ready-made rat microvessels and its applications in effective in vivo vascularization and in angiogenic studies in vitro. Nature protocols, 17(12), 2721.

Jones M, et al. (2020) A Comparison of Automated Perfusion- and Manual Diffusion-Based Human Regulatory T Cell Expansion and Functionality Using a Soluble Activator Complex. Cell transplantation, 29, 963689720923578.

Santos Roballo KC, et al. (2019) Localized delivery of immunosuppressive regulatory T cells to peripheral nerve allografts promotes regeneration of branched segmental defects. Biomaterials, 209, 1.

Roballo KCS, et al. (2019) Evaluation of the host immune response and functional recovery in peripheral nerve autografts and allografts. Transplant immunology, 53, 61.

Kawamura M, et al. (2017) Tissue-engineered smooth muscle cell and endothelial progenitor cell bi-level cell sheets prevent progression of cardiac dysfunction, microvascular dysfunction, and interstitial fibrosis in a rodent model of type 1 diabetes-induced cardiomyopathy. Cardiovascular diabetology, 16(1), 142.

Men H, et al. (2012) Germline transmission of a novel rat embryonic stem cell line derived from transgenic rats. Stem cells and development, 21(14), 2606.

Bryda EC, et al. (2006) Method for detection and identification of multiple chromosomal integration sites in transgenic animals created with lentivirus. BioTechniques, 41(6), 715.