

Resource Summary Report

Generated by [kravitz2](#) on Aug 7, 2026

SD-Tg(Acr3-EGFP)Nips

RRID:RGD_401799619

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=401799619>

Proper Citation: RRID:RGD_401799619

Description: Rattus norvegicus with name SD-Tg(Acr3-EGFP)Nips from RGD.

Species: Rattus norvegicus

Notes: This transgenic strain was created by intracytoplasmic sperm injection (ICSI) mediated DNA transfer. Linearized Acr3-EGFP plasmid DNA (Nakanishi et al., FEBS Lett. 1999; 0.1 micrograms/ml) is mixed with sperm heads of Slc:SD rats for 2 min. The sperm head is microinjected into ovulated oocytes of Slc:SD rat (RGD ID:12910483) and incubated overnight prior to embryo transfer to pseudopregnant females. Resultant pups are examined for correct gene-targeting by genomic PCR, and maintained by crossing the founder with Slc:SD rat. Section of Mammalian Transgenesis Center for Genetic Analysis of Behavior, National Institute for Physiological Sciences, Okazaki Aichi 444-8787, Japan. or Division of Mammalian Embryology, Center for Stem Cell Biology and Regenerative Medicine, The Institute for Medical Science, The University of Tokyo, Tokyo108-8639, Japan.

Catalog Number: 401799619

Background: transgenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo; Cryopreserved Sperm (as of 2023-09-12)

Alternate IDs: 401799619

Organism Name: SD-Tg(Acr3-EGFP)Nips

Record Creation Time: 20231103T193136+0000

Record Last Update: 20260801T194051+0000

Ratings and Alerts

No rating or validation information has been found for SD-Tg(Acr3-EGFP)Nips.

No alerts have been found for SD-Tg(Acr3-EGFP)Nips.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.