

Resource Summary Report

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SD-Tg(Cyp2e1-CYP2E1*-Cas9)SynblRrrc

RRID:RGD_155260363

Type: Organism

Proper Citation

RRID:RGD_155260363

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=155260363>

Proper Citation: RRID:RGD_155260363

Description: Rattus norvegicus with name SD-Tg(Cyp2e1-CYP2E1*-Cas9)SynblRrrc from RGD.

Species: Rattus norvegicus

Notes: rat strain in which the rat Cyp2e1 gene is humanized by insertion of a human CYP2E1 minigene (CYP2E1*) insert at the native start codon. The insert also included a CRISPR/Cas9 gene drive element to enable super-Mendelian inheritance of the modified allele when crossed to a rat expressing Cas9 in the germline. ROBUST AND EFFICIENT ACTIVE GENETICS GENE CONVERSION IN THE RAT AND MOUSE Chenyen Lai, Oscar Alvarez, Kristen Read, Don van Fossan, Christopher M Conner, Shannon Xaing-Ru Xu, Dale O. Cowley, Valentino Gantz, David R. Webb, Kurt Jarnagin URL: Doi:10.1101/2022.08.30.505951 URL: Doi:10.1101/2022.08.30.505951 URL: URL: Doi:10.1101/2022.08.30.505951 RRRC

Catalog Number: 155260363

Background: transgenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2022-10-06)

Alternate IDs: 155260363

Organism Name: SD-Tg(Cyp2e1-CYP2E1*-Cas9)SynblRrrc

Record Creation Time: 20230509T191952+0000

Record Last Update: 20260801T194050+0000

Ratings and Alerts

No rating or validation information has been found for SD-Tg(Cyp2e1-CYP2E1*-Cas9)SynblRrrc.

No alerts have been found for SD-Tg(Cyp2e1-CYP2E1*-Cas9)SynblRrrc.

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.