Resource Summary Report

Generated by dkNET on Sep 6, 2026

W-Tg(Dbh-tTA,-cre)5_9Fusa

RRID:RGD_598092607
Type: Organism

Proper Citation

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Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598092607

Proper Citation: RRID:RGD_598092607

Description: Rattus norvegicus with name W-Tg(Dbh-tTA,-cre)5_9Fusa from RGD.

Species: Rattus norvegicus

Notes: This strain was established by a use of the BAC transgenic method with a technical support from the C.B.S.N resource (Dr. Kazuto Kobayashi, Fukushima Medical University, Dr. Yuchio Yanagawa, Gunma University Graduate School of Medicine). This transgenic rat was transported to The Jikei University School of Medicine, and cre recombinase expression was confirmed by crossing it with a reporter rat (NBRP Rat No: 0734). These rats are maintained in The Jikei University School of Medicine. Background strain: Crlj:WI. Transgene: Dbh (dopamine beta-hydroxylase: rat), TetR (E.coli), VP16 protein minimal“F”-type activation domain (Herpes simplex virus), 2A (Thosea asigna virus), cre recombinase (P1 Phage), bGlobin polyA (rabbit), loxP (P1 phage). Detailed method (BAC transgenic method): a rat BAC clone was used (CH230-211J22). Combined mRNA for tTA and cre recombinase sequences is transcribed under the control of Dbh promoter. In translation step, the transcript is cut at the 2A peptide sequence, resulting in a separate protein production of tTA and Cre. National BioResource Project for the Rat in Japan

Catalog Number: 598092607

Background: transgenic

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2025-03-28)

Alternate IDs: 598092607

Organism Name: W-Tg(Dbh-tTA,-cre)5_9Fusa

Record Creation Time: 20250416T090749+0000

Record Last Update: 20260905T135246+0000

Ratings and Alerts

No rating or validation information has been found for W-Tg(Dbh-tTA,-cre)5_9Fusa.

No alerts have been found for W-Tg(Dbh-tTA,-cre)5_9Fusa.

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.