

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

SD-Dnmt1^{tm1(Myh6-cre)}Cqin

RRID:RGD_126925139

Type: Organism

Proper Citation

RRID:RGD_126925139

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=126925139>

Proper Citation: RRID:RGD_126925139

Description: Rattus norvegicus with name SD-Dnmt1^{tm1(Myh6-cre)}Cqin from RGD.

Species: Rattus norvegicus

Notes: To specifically knockout Dnmt1 in the myocardium, Cre-loxP system was used by crossing alpha -MHC-Cre rats with Dnmt1 cKO rats. Dnmt1+/- offspring positive for the alpha MHC-Cre transgene (double-positive) were selected. In the second round of crossbreeding, the double-positive rats were crossed with Dnmt1 cKO rats, and Dnmt1-/- offspring positive for the alpha MHC-Cre transgene were obtained as myocardium-specific Dnmt1-KO rats

Catalog Number: 126925139

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 126925139

Organism Name: SD-Dnmt1^{tm1(Myh6-cre)}Cqin

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260725T194309+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Dnmt1*^{tm1(Myh6-cre)}*Cqin* .

No alerts have been found for SD-*Dnmt1*^{tm1(Myh6-cre)}*Cqin* .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Wang B, et al. (2023) EP1 activation inhibits doxorubicin-cardiomyocyte ferroptosis via Nrf2. Redox biology, 65, 102825.