

Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

SD-Trim44^{em1Lizh}

RRID:RGD_329969883

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=329969883>

Proper Citation: RRID:RGD_329969883

Description: Rattus norvegicus with name SD-Trim44^{em1Lizh} from RGD.

Species: Rattus norvegicus

Notes: A pair of synthetic oligonucleotides for sgRNA (sgRNA1, CCTTGCCGCTTTAAGTGACTC; sgRNA2, CCATGTTGGGAGCATTGCCTA) were annealed and then cloned into the pUC57-sgRNA expression vector, and the floxed plasmid donor was cloned into the pGSI plasmid. Both the Cas9 and sgRNA expression plasmids were linearized and used as templates for in vitro transcription. A mixture of the donor vector (4µg/ul), Cas9 mRNA (25µg/ul), and sgRNAs (10µg/ul each) was microinjected into both the cytoplasm and male pronucleus of the fertilized eggs. The injected zygotes were then transferred to pseudopregnant SD rats, which then carried them to parturition. This is called conditional knockout Trim44 (Trim44 cKO).

Catalog Number: 329969883

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 329969883

Organism Name: SD-Trim44^{em1Lizh}

Record Creation Time: 20230823T202703+0000

Record Last Update: 20260829T185000+0000

Ratings and Alerts

No rating or validation information has been found for *SD-Trim44^{em1Lizh}*.

No alerts have been found for *SD-Trim44^{em1Lizh}*.

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.