

Resource Summary Report

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

LE-ROSA26^{em1}(EF1a-TetR, Fos-iCre)/Bhope

RRID:RGD_151356945

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=151356945>

Proper Citation: RRID:RGD_151356945

Description: Rattus norvegicus with name LE-ROSA26^{em1}(EF1a-TetR, Fos-iCre)/Bhope from RGD.

Species: Rattus norvegicus

Notes: Two DNA expression constructs, the bacterial tetracyclin repressor (TetR) under the expression control of human EF1a promoter and the improved Cre recombinase (iCre) under Fos promoter were joined in an antiparallel orientation in one rat ROSA26 targeting cassette. The DNA construct, together with CRISPR /Cas9 system, was injected to one cell Long-Evans (CrI:LE) rat embryos and founders were identified and bred for 8 generations at NIDA IRP (Hope lab).

Catalog Number: 151356945

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 151356945

Organism Name: LE-ROSA26^{em1}(EF1a-TetR, Fos-iCre)/Bhope

Record Creation Time: 20230509T191952+0000

Record Last Update: 20260725T194310+0000

Ratings and Alerts

No rating or validation information has been found for LE-*ROSA26^{em1}(EF1a-TetR, Fos-iCre)*/Bhope.

No alerts have been found for LE-*ROSA26^{em1}(EF1a-TetR, Fos-iCre)*/Bhope.

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.