

Resource Summary Report

Generated by [NIF](#) on Aug 6, 2026

[Gt\(ROSA\)26Sor^{tm7}\(CAG-mCherry/-EGFP/tetX\)Dym](#)
[/Gt\(ROSA\)26Sor⁺; Tg\(Fev-flpe\)1Dym; Tmem163](#)
[Tg\(ACTB-cre\)2Mrt](#)

RRID:MGI:4412290

Type: Organism

Proper Citation

RRID:MGI:4412290

Organism Information

URL:

Proper Citation: RRID:MGI:4412290

Description: Allele Detail: Transgenic, Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic, Targeted This is a legacy resource.

Phenotype: decreased body size, abnormal oxygen consumption, hypopnea, decreased heart rate, increased prepulse inhibition, abnormal axon morphology, increased exploration in new environment, enhanced contextual conditioning behavior, decreased anxiety-related response, increased pulmonary ventilation, increased tidal volume, increased sensitivity to induced morbidity/mortality, abnormal breathing pattern

Affected Gene: Tmem163, Gt(ROSA)26Sor

Genomic Alteration: Tg(Fev-flpe)1Dym, Tg(ACTB-cre)2Mrt, tm7(CAG-mCherry, -EGFP/tetX)Dym

Catalog Number: 4412290

Background: involves: 129S6/SvEvTac * FVB/N

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:27053202](#), [PMID:19679071](#)

Organism Name: Gt(ROSA)26Sor^{tm7}(CAG-mCherry/-EGFP/tetX)Dym/Gt(ROSA)26Sor⁺; Tg(Fev-flpe)1Dym; Tmem163^{Tg}(ACTB-cre)2Mrt

Record Creation Time: 20240120T190315+0000

Record Last Update: 20240130T201830+0000

Ratings and Alerts

No rating or validation information has been found for Gt(ROSA)26Sor^{tm7}(CAG-mCherry/-EGFP/tetX)Dym/Gt(ROSA)26Sor⁺; Tg(Fev-flpe)1Dym; Tmem163^{Tg}(ACTB-cre)2Mrt.

No alerts have been found for Gt(ROSA)26Sor^{tm7}(CAG-mCherry/-EGFP/tetX)Dym/Gt(ROSA)26Sor⁺; Tg(Fev-flpe)1Dym; Tmem163^{Tg}(ACTB-cre)2Mrt.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Bayindir-Buchhalter I, et al. (2018) Cited4 is a sex-biased mediator of the antidiabetic glitazone response in adipocyte progenitors. EMBO molecular medicine, 10(8).