

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

Tg(Rlbp1-cre/ERT2)1Wshn; Gt(ROSA)26Sor tm1(DTA)Mrc

RRID:MGI:5491505

Type: Organism

Proper Citation

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Organism Information

URL:

Proper Citation: RRID:MGI:5491505

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

Species: Mus musculus

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

Phenotype: abnormal eye electrophysiology, retinal neovascularization, disorganized photoreceptor outer segment, abnormal rod electrophysiology, abnormal retinal vasculature morphology, abnormal retinal pigment epithelium morphology, abnormal blood-retinal barrier function, abnormal Muller cell morphology, abnormal retinal cone cell outer segment morphology, abnormal retinal blood vessel morphology, abnormal retina outer limiting membrane morphology, abnormal retina morphology, abnormal retina inner limiting membrane morphology, abnormal cone electrophysiology

Affected Gene: Gt(ROSA)26Sor

Genomic Alteration: Tg(Rlbp1-cre/ERT2)1Wshn, tm1(DTA)Mrc

Catalog Number: 5491505

Background: involves: 129S1/Sv * 129X1/SvJ * C57BL/6J * CBA

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:23136411](#)

Organism Name: Tg(Rlbp1-cre/ERT2)1Wshn; Gt(ROSA)26Sor^{tm1(DTA)Mrc}

Record Creation Time: 20240120T190117+0000

Record Last Update: 20240130T201724+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Rlbp1-cre/ERT2)1Wshn; Gt(ROSA)26Sor^{tm1(DTA)Mrc}.

No alerts have been found for Tg(Rlbp1-cre/ERT2)1Wshn; Gt(ROSA)26Sor^{tm1(DTA)Mrc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kang S, et al. (2020) A Comparative Analysis of Reactive Müller Glia Gene Expression After Light Damage and microRNA-Depleted Müller Glia-Focus on microRNAs. *Frontiers in cell and developmental biology*, 8, 620459.

Wohl SG, et al. (2017) Müller glial microRNAs are required for the maintenance of glial homeostasis and retinal architecture. *Nature communications*, 8(1), 1603.

Wohl SG, et al. (2016) The microRNA expression profile of mouse Müller glia in vivo and in vitro. *Scientific reports*, 6, 35423.