

Resource Summary Report

Generated by [NIF](#) on Aug 14, 2026

[S1pr1^{tm2Rlp}/S1pr1^{tm2Rlp}; Gt\(ROSA\)26Sor^{tm1\(EYFP\)Cos}/Gt\(ROSA\)26Sor⁺; Tg\(Cdh5-cre/ERT2\)1Rha](#)

RRID:MGI:5445987

Type: Organism

Proper Citation

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Organism Information

URL:

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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 retinal vasculature morphology, abnormal aorta morphology

Affected Gene: Gt(ROSA)26Sor, S1pr1

Genomic Alteration: tm2Rlp, Tg(Cdh5-cre/ERT2)1Rha, tm1(EYFP)Cos

Catalog Number: 5445987

Background: involves: 129S6/SvEvTac * 129X1/SvJ

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:22975327](#)

Organism Name: S1pr1^{tm2Rlp}/S1pr1^{tm2Rlp}; Gt(ROSA)26Sor^{tm1(EYFP)Cos}/Gt(ROSA)26Sor⁺; Tg(Cdh5-cre/ERT2)1Rha

Record Creation Time: 20240120T190132+0000

Record Last Update: 20240130T201731+0000

Ratings and Alerts

No rating or validation information has been found for S1pr1^{tm2Rlp}/S1pr1^{tm2Rlp}; Gt(ROSA)26Sor^{tm1(EYFP)Cos}/Gt(ROSA)26Sor⁺; Tg(Cdh5-cre/ERT2)1Rha.

No alerts have been found for S1pr1^{tm2Rlp}/S1pr1^{tm2Rlp}; Gt(ROSA)26Sor^{tm1(EYFP)Cos}/Gt(ROSA)26Sor⁺; Tg(Cdh5-cre/ERT2)1Rha.

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](#) .

Engelbrecht E, et al. (2020) Sphingosine 1-phosphate-regulated transcriptomes in heterogenous arterial and lymphatic endothelium of the aorta. eLife, 9.