

Resource Summary Report

Generated by [T1D](#) on Sep 19, 2026

[Col4a5^{tm1Yseg}/Col4a5⁺](#)

RRID:MGI:3610502

Type: Organism

Proper Citation

RRID:MGI:3610502

Organism Information

URL:

Proper Citation: RRID:MGI:3610502

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

Species: Mus musculus

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

Phenotype: increased blood urea nitrogen level, premature death, abnormal lens capsule morphology, abnormal renal glomerulus morphology, abnormal kidney morphology, increased urine protein level, pale kidney, abnormal renal tubule morphology, abnormal eye physiology

Affected Gene: Col4a5

Genomic Alteration: tm1Yseg

Catalog Number: 3610502

Background: B6.Cg-Col4a5

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:23707242](#), [PMID:15153557](#)

Organism Name: Col4a5^{tm1Yseg}/Col4a5⁺

Record Creation Time: 20240120T190612+0000

Record Last Update: 20240130T202054+0000

Ratings and Alerts

No rating or validation information has been found for Col4a5^{tm1Yseg}/Col4a5⁺.

No alerts have been found for Col4a5^{tm1Yseg}/Col4a5⁺.

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 [T1D](#).

Omachi K, et al. (2022) NanoLuc reporters identify COL4A5 nonsense mutations susceptible to drug-induced stop codon readthrough. iScience, 25(3), 103891.