



# 129-Ola / 4a3<sup>tm1Dec</sup> / J

Stock No: 002908 | COL4A3 KO

Targeted Mutation



CRYO RECOVERY

P L A C E   O R D E R

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

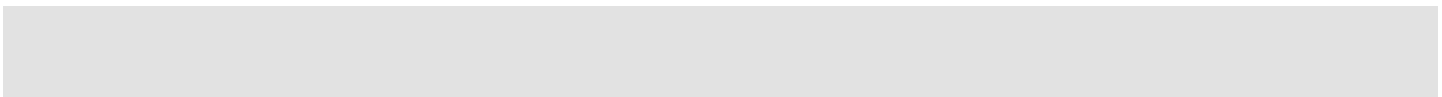
## Overview

### Also Known As: COL4A3 KO

Mice homozygous for the *Col4a3*<sup>tm1Dec</sup> targeted mutation develop glomerulonephritis and die at about 8.5 weeks of age. Survival time of homozygous mutant mice is extended to about 14 weeks of age in mice maintained on a mixed genetic background.

### Donating Investigator

Dr. Dominic Cosgrove, Boys Town National Research Hospital



## GENETIC OVERVIEW

Genetic Background

Generation

*Col4a3<sup>tm1Dec</sup>*

Allele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

*Col4a3*

collagen, type IV, alpha 3

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Developmental Biology Research

Neurobiology Research

Sensorineural Research

Mouse/Human Gene Homologs

V I E W   A L L   R E S E A R C H   A P P L I C A T I O N S

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

### ⊖ Details

#### ⊖ Detailed Description

Mice homozygous for the *Col4a3<sup>tm1Dec</sup>* targeted mutation develop glomerulonephritis and die at about 8.5 weeks of age. Survival time of homozygous mutant mice is extended to about 14 weeks of age in mice maintained on a mixed genetic background.

#### + Control Suggestions

#### + Selected References

### ⊖ Genetics

#### + *Col4a3<sup>tm1Dec</sup>*

### ⊖ Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ References

- Technical Support

T E C H N I C A L S P P O R T C H A T

C O N T A C T T E C H N I C A L S U P P O R T

## Genotyping Protocols

Separated MCA:  $Col4a3^{tm1Dec}$

Separated MCA:  $Col4a3^{tm1Dec}$  alternate1

Separated PCR:  $Col4a3^{tm1Dec}$

[Genotyping resources and troubleshooting](#)

## Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype siblings, or to 129X1/SvJ inbred mice (Stock No. [000691](#)). Homozygotes are not viable.

The expected coat color from breeding is white bellied agouti.

[Additional Breeding and Husbandry Support](#)

## Appearance

white-bellied agouti

Related Genotype:  $A^w/A^w$

pink-eyed, light-bellied, light chinchilla

Related Genotype:  $A^w/A^w Oca2^D Tyr^{c-ch}/Oca2^D Tyr^c$

albino

Related Genotype:  $A^w/A^w Oca2^D Tyr^c/Oca2^D Tyr^c$

## Citation

When using the COL4A3 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002908 in your Materials and Methods section.

## Animal Health Reports

### Facility Barrier Level Descriptions

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)*

- Pricing & Availability



Cryo Recovery

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

## Cryorecovery - Domestic Pricing

SERVICE	GENOTYPE	PRICE
Cryo Recovery	Heterozygous or wildtype for Col4a3<tm1Dec>	\$2,854.50

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a [Dedicated Supply](#) for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

### Payment Terms and Conditions

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

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## Terms Of Use

### Terms of Use

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

### Licensing Information

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Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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## ☰ Related Strains

All

By Allele

By Gene

By Collection

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