

## C.FVB-Tg(Cspg4-ZsYellow1)1Rkl/J

Stock No: 031158 | NG2-YFP, ZsYellow1

 Congenic, Transgenic

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

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fibrosis.

### Donating Investigator

Raghu Kalluri, University of Texas MD Anderson Cancer Center

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(Cspg4-ZsYellow1)1Rkl

#### Alele Type

Transgenic (Reporter)

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

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

These NG2-YFP transgenic mice express ZsYellow1, an enhanced yellow fluorescent protein from *Zoanthus* sp., under control of the mouse *Cspg4* (chondroitin sulfate proteoglycan 4) gene promoter. This strain is a fluorescent reporter for *Cspg4* expressing pericytes.

In normal kidney ZsYellow1 fluorescence is largely restricted to large and small vascular structures including the glomeruli. In fibrotic kidney, NG2-YFP expression is detected in renal interstitial cells and vascular structures. Hemizygotes are viable and fertile. Homozygous viability/fertility has not been tested (October 2017).

### Development

### Expression Data

### Control Suggestions

### Selected References

## Genetics

### Tg(Cspg4-ZsYellow1)1Rkl

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Standard PCR: [Tg\(Cspg4-ZsYellow1\)1Rkl](#)

Probe: [Generic YFP Probe](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred together, to wildtype siblings, or to BALB/cByJ inbred mice (Stock No. [001026](#)). The Donating Investigator has not attempted to make the strain homozygous. Homozygous viability/fertility has not been tested (October 2017).

#### [Additional Breeding and Husbandry Support](#)

##### Mating System

Hemizygote x Noncarrier

Noncarrier x Hemizygote

#### Citation

When using the NG2-YFP, ZsYellow1 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #031158 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/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Hemizygous or non-carrier for <a href="#">Tg(Cspg4-ZsYellow1)1Rkl</a>	\$2,854.50

#### Related Products and Services

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