

B6.FVB-Tg(Cspg4-cre)1Rkl/J

Stock No: **029926** | NG2-Cre on B6

 Congenic, Transgenic

Live colonies will be removed soon

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NG2-cre transgenic mice express Cre recombinase in *Cspg4* expressing pericytes. These mice may be useful for Cre-lox studies related to the role of *Cspg4* expressing pericytes in cancer progression and fibrosis.

Donating Investigator

Raghu Kalluri, University of Texas MD Anderson Cancer Center

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

?+pN2F1
(2018-12-12 00:00:00)

Tg(Cspg4-cre)1Rkl

Allele Type

Transgenic (Recombinase-expressing)

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research
Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

333.51 Domestic price for breeder pair

\$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-Cre transgenic mice express Cre recombinase under control of the mouse *Cspg4* (chondroitin sulfate proteoglycan 4) gene promoter. Cre activity is detected in renal vascular structures, including the glomeruli, in healthy mice. In fibrotic kidneys, Cre activity is detected in interstitial cells and vascular structures.

The Donating Investigator reports Cre activity is detected on rare occasions in gametes resulting in germline recombination, and recommends screening for recombination of floxed alleles in non-target tissues.

Hemizygotes are viable and fertile. Homozygous viability/fertility has not been tested (October 2017).

In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Cspg4-cre)1Rkl

Disease/Phenotype

[+ Disease Terms](#)

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

[- Technical Support](#)

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

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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice may be bred together, to wildtype (noncarrier) siblings, or to C57BL/6J inbred mice (Stock No. [000664](#)). 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

C57BL/6J (000664) x Hemizygote

Hemizygous x C57BL/6J (000664)

Citation

When using the NG2-Cre on B6 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #029926 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX9 \(Standard\)](#)

[- Pricing & Availability](#)



Live colonies will be removed soon

Available

Domestic **International**

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
4 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
5 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
5 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
6 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
6 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
7 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
7 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
8 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
9 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
9 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
10 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
10 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
11 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
11 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
12 weeks	Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00
	Male	Hemizygous for Tg(Cspg4-cre)1Rkl	\$255.00

12 weeks	SEX	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51

BREEDER PAIR		
SEX	GENOTYPE	PRICE
Female	Hemizygous for Tg(Cspg4-cre)1Rkl	\$333.51
Male	Noncarrier	
Female	Noncarrier	\$333.51
Male	Hemizygous for Tg(Cspg4-cre)1Rkl	

CRYORECOVERY - DOMESTIC PRICING		
SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Please inquire	\$2,854.50

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