

## STOCK *Tgfbr1*<sup>tm1.1Karl</sup>/KulJ

Stock No: 028701 | TβRI<sup>1</sup>

Targeted Mutation

Live mice available in varying quantities. Ask Customer Service for details.

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development and hematopoiesis.

### Donating Investigator

Stefan Karlsson, Lund University Hospital

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## GENETIC OVERVIEW

### Genetic Background

### Generation

?+pN1F11  
(2021-04-19 00:00:00)

### *Tgfbr1*<sup>tm1.1Karl</sup>

### Alele Type

Targeted (Conditional ready  
(e.g. floxed), No functional  
change)

### Gene Symbol

*Tgfbr1*

### Gene Name

transforming growth factor, beta receptor I

VIEW GENETICS

## RESEARCH APPLICATIONS

Cell Biology Research

Immunology, Inflammation and Autoimmunity Research

Research Tools

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$278.00 Domestic price for female 4-week

V I E W P R I C E L I S T

### Details

#### Detailed Description

$T\beta R I^{ff}$  floxed mice possess *loxP* sites flanking exon 3 of the transforming growth factor, beta receptor I (*Tgfb1*) gene. T $\beta$ RI is a transmembrane serine/threonine kinase that forms a heteromeric complex with T $\beta$ RII. TGF- $\beta$  signaling through this complex is important for the regulation of vascular development, hematopoiesis, autoimmune diseases, and chronic inflammation. Mice that are homozygous for this allele are viable and fertile. When bred to mice that express tissue-specific Cre recombinase, resulting offspring will have exon 3 deleted in the *cre*-expressing tissues.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### $Tgfb1^{tm1.1Karl}$

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

- 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: [Tgfb1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the T $\beta$ RI<sup>f</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #028701 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

- Pricing & Availability



Live mice available in varying quantities. Ask Customer Service for details.

Available

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00

tm1.1Karl

5 weeks	SEX	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
6 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
7 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
8 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
9 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
10 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
11 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
12 weeks	Female	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00
	Male	Homozygous for Tgfb1 <sup>tm1.1Karl</sup>	\$278.00

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	STOCK Tgfb1 <sup>tm1.1Karl</sup> /KulJ Frozen Embryo	\$2595.00
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## 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.

## THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain's phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

# TERMS OF USE

[General Terms and Conditions](#)

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## LICENSING INFORMATION

Phone: 207-288-6470

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

### Related Strains

All

By Allele

By Gene

By Collection






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