

**129S-*Trp53*<sup>tm2Tyj</sup> /J**

Stock No: **008652**

 **Coisogenic, Targeted Mutation**

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

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phenotypic issues of p53 knockout mice and therefore have some decreased viability of homozygotes. Cre-mediated recombination leads to deletion of a transcriptional termination sequence (Lox-Stop-Lox) and expression of the oncogenic protein.

### Donating Investigator

Dr. Tyler Jacks, Massachusetts Institute of Technology

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## GENETIC OVERVIEW

Genetic Background

Generation

*Trp53*<sup>tm2Tyj</sup>

**Alele Type**

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

**Gene Symbol**

*Trp53*

**Gene Name**

transformation related protein 53

VIEW GENETICS

## RESEARCH APPLICATIONS

Cancer Research

Apoptosis Research

Immunology, Inflammation and Autoimmunity Research

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 mice carry a conditional point-mutant allele of the transformation related protein 53 gene (p53R172H; structural mutant homologous to human p53 codon 175). The conditional allele is functionally equivalent to a null mutation. Mice have all the phenotypic issues of p53 knockout mice and therefore have some decreased viability of homozygotes. Cre-mediated recombination leads to deletion of a transcriptional termination sequence (Lox-Stop-Lox) and expression of the oncogenic protein.

#### Development

#### Selected References

### Genetics

#### *Trp53<sup>tm2Tyj</sup>*

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

- 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: [Trp53 Alternate1](#)

Probe: [Trp53 Probe](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintained as a live colony, heterozygotes may be bred. Homozygous mice develop tumors.

[Additional Breeding and Husbandry Support](#)

Citation

When using the 129S-*Trp53<sup>tm2Tyj</sup>/J* mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008652 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>	Heterozygous or wildtype for <i>Trp53<sup>tm2Tyj</sup></i>	\$2,854.50

Related Products and Services

<a href="#">Frozen Mouse Embryo</a>	129S- <i>Trp53<sup>tm2Tyj</sup></i> /J Frozen Embryo	\$2595.00
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Phone: 207-288-6470

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

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