

C3Ou.129S2(B6)-Trp53<sup>tm1Tyj</sup> /J

Stock No: 002547 | p53

◆ Congenic, 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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## GENETIC OVERVIEW

Genetic Background

Generation

000635 C3H/HeO<sub>u</sub>J

*Trp53<sup>tm1Tyj</sup>*

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

*Trp53*

transformation related protein 53

VIEW GENETICS

## RESEARCH APPLICATIONS

Apoptosis Research

Research Tools

Cancer Research

Immunology, Inflammation and Autoimmunity Research

Mouse/Human Gene Homologs

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

Mice homozygous for the *Trp53*<sup>tm1Tyj</sup> mutation show no visible phenotype but most develop tumors (principally lymphomas and sarcomas) at 3-6 months of age. Heterozygous mice develop tumors at about 10 months of age. These mice model some of the features of human Li-Fraumeni syndrome, a form of familial breast cancer with mutations in TRP53. Homozygous mice may produce a litter before succumbing to tumors.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Trp53*<sup>tm1Tyj</sup>

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

#### Mammalian Phenotype Terms by Genotype

#### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Standard PCR: [Trp53 Alternate2](#)

Probe: [Trp53-Probe](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

This *Trp53<sup>tm1Tyj</sup>* strain is maintained by mating heterozygous mice to normal wildtype siblings. Heterozygous mice and normal wildtype siblings may be ordered.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the p53<sup>Δ</sup> mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002547 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</i> <tm1Tyj>	\$2,854.50

#### RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	C3Ou.129S2(B6)- <i>Trp53</i> <tm1Tyj>/J	\$2595.00
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QUESTIONS ABOUT TERMS OF USE

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[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

### LICENSING INFORMATION

Phone: 207-288-6470

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

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