

B6(129S4)-Tspo^{tm1.1Maf}/J

Stock No: **024976** | Tspo^{loxP}

 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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generating conditional mutations in applications related to steroidogenesis.

Donating Investigator

Michael Forte, Vollum Institute

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GENETIC OVERVIEW

Genetic Background

Generation

Tspo^{tm1.1Maf}

Alele Type

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

Gene Symbol

Tspo

Gene Name

translocator protein

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

The *Tspo*, translocator protein, gene encodes for an outer mitochondrial membrane protein that binds to benzodiazepines and is involved in cholesterol transport and steroidogenesis. These mice possess *loxP* sites on either side of exons 2 and 3 of the targeted gene. Mice that are homozygous for this allele are viable and fertile. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exons 2 and 3 deleted in the *cre*-expressing tissues.

Development

Control Suggestions

Genetics

Tspo^{tm1.1Maf}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: [Tspo-Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice can be bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Tspo^{loxP} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #024976 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
Cryo Recovery	Heterozygous for Tspo<tm1.1Maf>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6(129S4)-Tspo<tm1.1Maf>/J Frozen Embryo	\$2595.00
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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.

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Q U E S T I O N S A B O U T T E R M S O F U S E

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



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TOMORROW'S CURES



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Yes No