

B6;129S-*Mttp*^{tm2Sgy}/J
Stock No: **003902** | *Mttp*^{fllox}

 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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upstream from the *Mttp* promoter. These mice may be useful in applications related to the study of microsomal triglyceride transfer protein and atherogenesis.

Donating Investigator

Dr. Stephen Young, UCLA

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GENETIC OVERVIEW

Genetic Background

Generation

Mttp^{tm2Sgy}

Alele Type

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

Gene Symbol

Mttp

Gene Name

microsomal triglyceride transfer protein

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Metabolism Research

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 possess *loxP* sites located 2.5 kb 5' of exon 1 and flanking a neomycin resistance gene inserted into intron 1 of the *Mttp* gene. Mice that are homozygous for this floxed *Mttp* allele are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities.

When bred to a strain expressing interferon inducible Cre recombinase in liver tissue (see Stock No. [003556](#) for example), this mutant mouse strain may be useful in lipoprotein research.

Development

Selected References

Genetics

Mttp^{tm2Sgy}

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:[Mttp](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain originated and is maintained as a homozygote on a B6;129S background.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Mttp^{fllox} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003902 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 Mttp<tm2Sgy>	\$2,854.50

RELATED PRODUCTS AND SERVICES

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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

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All

By Allele

By Gene

By Collection



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