

B6.FVB-Tg(LRRK2)WT1Mjfa/J

Stock No: **012445**

 Congenic, Transgenic

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

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Donating Investigator

Dr. Matthew J Farrer, University of British Columbia

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(LRRK2)WT1Mjfa

Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

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

Details

Detailed Description

These transgenic mice express the human *LRRK2* gene with high levels of protein detected, with an expression pattern similar to that of endogenous mouse *Lrrk2*. The transgene inserted into Chromosome 12. Transgenic mice express human *LRRK2* approximately 20-22 fold over the endogenous mouse *Lrrk2* level. The Donating Investigator reports that attempts to generate confirmed homozygotes have not been successful. This mutant mouse strain may be useful in studies of Parkinson's disease.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(LRRK2)WT1Mjfa

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

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: [Tg\(LRRK2\)](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.FVB-Tg(LRRK2)WT1Mjfa/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012445 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	Hemizygous or Non carrier for Tg(LRRK2)WT1Mjfa	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.FVB-Tg(LRRK2)WT1Mjfa/J	\$2595.00
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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.

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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

ADDITIONAL USE RESTRICTIONS APPLY

[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

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All

By Allele

By Gene

By Collection



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