


## B6.Cg-Tg(FXN\*)1Sars *Fxn*<sup>tm1Mkn</sup>/J

Stock No: 008586 | Tg(FXN);Fxn-

 Congenic, Targeted Mutation, Transgenic

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

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Ataxia.

Our preclinical efficacy testing services offer scientific expertise and an array of target-based and phenotype-based outcome measures, both in vivo and at endpoint, for flexible study designs and assay development in mouse models of Friedreich's Ataxia. [See our full service platform.](#)

### Donating Investigator

Joseph P Sarsero, Murdoch Childrens Research Institute , The University of Melbourne

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## GENETIC OVERVIEW

Genetic Background

Generation

### *Fxn*<sup>tm1Mkn</sup>

**Alele Type**

Targeted (Null/Knockout)

**Gene Symbol**

*Fxn*

**Gene Name**

frataxin

### Tg(FXN\*)1Sars

**Alele Type**

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

# RESEARCH APPLICATIONS

Neurobiology Research

V I E W   A L L   R E S E A R C H   A P P L I C A T I O N S

## 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 that are hemizygous for the transgene and homozygous for the targeted mutation are viable, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator reports that no other behavioral or histological phenotype has been observed. FISH and karyotyping shows one copy of the transgene inserted on Chromosome 5.

*Importation of this model was supported by the Friedreich's Ataxia Research Alliance (FARA).*

### Development

### Expression Data

### Control Suggestions

### Selected References

## Genetics

### $Fxn^{tm1Mkn}$

[+ Tg\(FXN\\*\)1Sars](#)

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## [- Disease/Phenotype](#)

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- 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\(FXN\) repeat copy number](#)

Standard PCR: [Fxnalternate3](#)

Standard PCR: [Tg\(FXN\)1Sars](#)

QPCR: [Tg\(FXN\)1Sars](#)

QPCR: [Tg\(FXN\)1Sars](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

To maintain the live colony, these mice can be bred as as hemizygous for the FXN transgene and homozygous for the *Fxn*<sup>tm1Mkn</sup> allele.

### [Additional Breeding and Husbandry Support](#)

#### Mating System

See "Breeding Considerations"

### Citation

When using the Tg(FXN);Fxn- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #008586 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 Fxn<tm1Mkn> , Hemizygous or Non carrier for Tg(FXN)1Sars/	\$2,854.50

## PAYMENT TERMS AND CONDITIONS

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.

## 🔍 Terms Of Use

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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](mailto:TechTran@jax.org)

## Related Strains

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