

BXD22/TyJ

Stock No: **000043**

 Recombinant Inbred (RI)

Estimated to begin distribution on Jul 19, 2021

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progenitor strains.

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GENETIC OVERVIEW

Genetic Background

Generation

F128p+25
(2020-09-17 00:00:00)

Myo5a^d

Alele Type

Gene Symbol

Gene Name

Spontaneous

Myo5a

myosin VA

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

Dermatology Research

Mouse/Human Gene Homologs

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$139.90 Domestic price for female

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

Details

Detailed Description

The BXD RI strains are used to study the genetics of behavioral phenotypes including alcohol and drug addiction, stress, and locomotor activity. The BXD set of RI strains also is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes including differences in organ weight and bone mineral density.

The strain distribution pattern (SDP) for the BXD RI strains is available through the Mouse Genome Informatics

[Contributed Data Sets](#) and [Gene Network](#).

Additional tools and information are presented through the Mouse Phenome Database

[Specialized Strain Panel Query Form](#), and

[Gene Network](#) .

Development

Selected References

Genetics

Myo5a^d

Disease/Phenotype

Disease Terms

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ Phenotype Information](#)

[+ 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

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Mating System

Sibling x Sibling

Appearance

steel grey

Related Genotype: *a/a Tyrp1⁺/Tyrp1⁺ Myo5a^d/Myo5a^d*

Citation

When using the BXD22/TyJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000043 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [FGB29 \(Standard\)](#)

[- Pricing & Availability](#)



Estimated to begin distribution on Jul 19, 2021

Available for
Pre-order

Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	PRICE
Approx 4-8 weeks	Female	\$139.90
	Male	\$139.90

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	BXD22/TyJ Frozen Embryos	\$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

LICENSING INFORMATION

Phone: 207-288-6470
 Email: TechTran@jax.org

[Related Strains](#)

All

By Allele

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By Collection



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