

BXD8/TyJ

Stock No: 000084

 Recombinant Inbred (RI)

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The BXD set of RI strains is used in the genetic analysis of numerous complex or potentially complex physiologic phenotypes. The BXD strains are derived from the C57BL/6J (Stock No. 000664) and DBA/2J (Stock No. 000671) progenitor strains.

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GENETIC OVERVIEW

Genetic Background

Generation

F36p+42
(2019-10-02 00:00:00)

Myo5a^d

Alele Type

Spontaneous

Gene Symbol

Myo5a

Gene Name

myosin VA

Klra8^{Cmv1-del}

Alele Type

Not Applicable

Gene Symbol

Klra8

Gene Name

killer cell lectin-like receptor, subfamily A, member 8

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

Dermatology Research

Mouse/Human Gene Homologs

BASE PRICE

Starting at:

\$139.90 Domestic price for female

VIEW PRICE LIST

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

+ Control Suggestions

+ Selected References

Genetics

+ *Myo5a^d*

+ *Klra8^{Cmv1-del}*

- 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: *ala Tyrp1⁺/Tyrp1⁺ Myo5a^d/Myo5a^d*

Citation

When using the BXD8/TyJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000084 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [FGB29 \(Standard\)](#)

🔍 Pricing & Availability



Live mice available in varying quantities. Ask Customer Service for details.

Available

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Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
Approx 4-8 weeks	Female	Not Applicable	\$139.90
	Male	Not Applicable	\$139.90

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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.

🔍 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

Related Strains

All

By Allele

By Gene

By Collection



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