

B6.D2-(D8Mit318-D8Mit56)/LusJ

Stock No: 005174

 Congenic

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GTM are a valuable resource for mapping and confirmation of loci contributing to complex traits.

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GENETIC OVERVIEW

Genetic Background

Generation

000664 C57BL/6J

Marker(s)

Marker Symbol

Marker Name

D8Mit56

DNA segment, Chr 8, Massachusetts Institute of Technology 56

D8Mit318

DNA Segment, Chr 8, Massachusetts Institute of Technology 318

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

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

This C57BL/6J congenic carries the distal portion of Chromosome 8 from DBA/2J. The Mit or SNP (rs) markers in the strain name define the congenic interval.

Marker-assisted breeding was used to construct a set of overlapping congenic strains called genome-tagged mice (GTM) that span the entire mouse genome. Each member of the panel carries an average of a 23 cM segment (range eight to 58 cM) from DBA/2J introgressed on to a C57BL/6J background. The segments represent the distal (D), middle (M), and proximal (P) portions of all or most of a given chromosome. (Jakovcova *et al.* 2001) GTM are a valuable resource for mapping and confirmation of loci contributing to complex traits.

The Jackson Laboratory is working with Dr. Lusic's group to import and make available additional strains in the panel.

Development

Control Suggestions

Selected References

Genetics

D8Mit56

D8Mit318

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

[Genotyping resources and troubleshooting](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the B6.D2-(*D8Mit318-D8Mit56*)/LusJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005174 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

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Domestic | International

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CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Homozygous, 1 pair minimum	\$2,854.50

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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.

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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.

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

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

Related Strains

All

By Allele

By Gene

By Collection



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