The Jackson Laboratory

C57BL/6J-*Drc1*^{b2b1654Clo}/J

Stock No: **018224**

Chemically Induced Mutation, Coisogenic

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

PLACE ORDER

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The Jackson Laboratory cannot guarantee that cryorecovery of G1 sperm from the Bench to Bassinet (B2B) collection will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.

Donating Investigator

Cecilia Lo, Univ of Pittsburgh School of Medicine

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GENETIC OVERVIEW

Genetic Background	Generation

Drc1^{b2b1654Clo}

Allele Type	Gene Symbol	Gene Name
Chemically induced (ENU)	*Drc1*	dynein regulatory complex subunit 1

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research
Internal/Organ Research
Cardiovascular Research

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

This A to G point mutation at position 2021 of the *Drc1* (dynein regulatory complex subunit 1) cDNA was identified in an ENU screen for recessive cardiovascular development phenotypes in Dr. Cecilia Lo's laboratory, NHLBI Cardiovascular Development Consortium (CvDC). It was recovered from G1 sperm and associated with the phenotype described described here. Because G1 sperm were cryopreserved, additional incidental mutations are also segregating in this strain.

Homozygotes demonstrate heterotaxy with complex congenital heart disease such as transposition of the great arteries (TGA), atrioventricular septal defects (AVSD), dual inferior vena cava (IVC), dual hepatic vein, and azygous venous connection. Immotile/dyskinetic airway cilia are also seen.

Development

Selected References

Genetics

Drc1^{b2b1654Clo}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations

Heterozygotes are both viable and fertile.

Additional Breeding and Husbandry Support

Citation
When using the C57BL/6J-*Drc1*^{b2b1654Clo}/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #018224 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	The Jackson Laboratory cannot guarantee that cryorecovery of G1 sperm	$2,854.50

	from the Bench to Bassinet (B2B) collection will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser	

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C57BL/6J-Drc1<b2b1654Clo>/J Frozen Embryo	$2595.00

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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General Terms and Conditions

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Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection

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Did you find what you were looking for?

Yes No