

C57BL/6J-Cep290^{b2b1752Clo} /J

Stock No: 018226

 Chemically Induced Mutation, Coisogenic

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

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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

Cep290^{b2b1752Clo}

Allele Type

Gene Symbol

Gene Name

Chemically induced (ENU)

Cep290

centrosomal protein 290

VIEW GENETICS

RESEARCH APPLICATIONS

Developmental Biology Research

Cardiovascular Research

Endocrine Deficiency Research

Internal/Organ Research

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 T-to-C substitution at nucleotide +2 of an intron following nucleotide 1189 of the *Cep290* (centrosomal protein 290) 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 here. Because G1 sperm were cryopreserved, additional incidental mutations are also segregating in this strain.

Homozygotes demonstrate congenital heart disease (CHD) associated with heterotaxy with transposition of the great arteries (TGA), and atrioventricular septal defect (AVSD). Left bronchial isomerism and a hypoplastic spleen are also seen.

Development

Selected References

Genetics

Cep290^{b2b1752Clo}

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](#)

Breeding Considerations

Heterozygotes are both viable and fertile.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BL/6J-*Cep290*^{b2b1752Cl^o}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #018226 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



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

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RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C57BL/6J-Cep290<b2b1752Clo>/J	\$2595.00
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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

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Email: TechTran@jax.org

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