

C57BL/6J-TII1^{b2b2476Clo}/JStock No: **022651** **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 GI 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***TII1^{b2b2476Clo}***Alele Type****Gene Symbol****Gene Name**

Chemically induced (ENU)

TII1

tollid-like

[VIEW GENETICS](#)

RESEARCH APPLICATIONS

Developmental Biology Research

Internal/Organ Research

Cardiovascular 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 mutation 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 overriding aorta/double outlet right ventricle (DORV), muscular ventricular septal defect (VSD), ventricular non-compaction, and aortic arch anomalies with incomplete vascular ring. Growth retardation, abnormal palate, and hypoplastic thymus are also seen.

Development

Control Suggestions

Selected References

Genetics

Tll1^{b2b2476Clo}

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

Sanger sequencing: [TII1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

Heterozygotes are both viable and fertile.

[Additional Breeding and Husbandry Support](#)

Citation

When using the C57BL/6J-*TII1*^{b2b2476Cl_o}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #022651 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](#)

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Cryo
Recovery

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

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CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
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Cryo Recovery	The Jackson Laboratory cannot guarantee that cryorecovery of G1 sperm from the Bench to Basement (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	\$2,854.50
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RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	C57BL/6J-T1l1<b2b2476Clo>/J Frozen Embryo	\$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

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All

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By Gene

By Collection



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