C57BL/6J-Lrp1 b2b1554Cia/J

Stock No: 018185

Chemically Induced Mutation, Coisogenic

CRYO RECOVERY

PLACE ORDER

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

Overview

This strain carries multiple undefined mutations identified in a screen of ENU-induced mutations and may be useful in studies of congenital heart disease and other developmental defects.
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

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Lrp1b2b1554Clo</td>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Chemically induced (ENU)</td>
<td>Lrp1</td>
<td>low density lipoprotein receptor-related protein 1</td>
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RESEARCH APPLICATIONS

Developmental Biology Research
Internal/Organ Research
Cardiovascular Research

BASE PRICE
Starting at:

\[\text{Domestic price Cryo Recovery} = \$2,854.50\]

Details

This mutant strain was identified in an ENU screen for recessive cardiovascular development phenotypes in Dr. Cecilia Lo's laboratory, NHLBI Cardiovascular Development Consortium (CvOC). 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 cardiovascular defects that involve outflow tract anomalies including pulmonary stenosis (PS) and
persistent truncus arteriosus (PTA), and atrioventricular septal defects (AVSD). Body wall closure defects (gastroschisis/celoschisis/omphalocele) and diaphragmatic hernia are also seen.

Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
Heterozygotes are both viable and fertile.
Additional Breeding and Husbandry Support

Citation
When using the 69rat/Jbr, Lrp1<sup>b2b1554Co</sup> mouse strain in a publication, please cite the originating article(s) and include JAX stock #018185 in your Materials and Methods section.

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.
We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

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.

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Related Strains

All

By Allele

By Gene

By Collection