STOCK Tg(Acp5-CFP,lbsp-YFP,Dmp1-RFP)1Pmay/J

Stock No: 017472

Transgenic

CRYO RECOVERY

PLACE ORDER

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

These lbsp-topaz mice may be useful for visualizing and studying cell of the osteoblast and mature chondrocytes.

Donating Investigator

Peter Maye, University of Connecticut Health Center

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Tg(Acp5-CFP,lbsp-YFP,Dmp1-RFP)1Pmay</td>
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</tr>
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Allele Type

Transgenic (Reporter)

RESEARCH APPLICATIONS

Research Tools
Internal/Organ Research

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description

Mice hemizygous for the lbsp-topaz transgene are viable and fertile with the topaz variant of yellow fluorescent protein (YFP)
expression directed by the integrin binding sialoprotein (ibsp) promoter/enhancer regions from the BAC transgene. The transgene also contains the DMP1-mCherry and Trap-cyan reporters, however these reporters are not functional in this animal model. IBSP is a structural protein of the bone matrix and is produced by skeletal-associated cell types. These mice express topaz in osteocytes and hypertrophic chondrocytes.

Development

Expression Data

Selected References

Genetics

Tg(Acp5-CFP,ibsp-YFP,Dmp1-RFP)1Pmay

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Probe: Fluorescent Proteins (Generic GFP)
Standard PCR: Fluorescent Proteins (Generic GFP)
MELT: Tg(Acp5-CFP,ibsp-YFP,Dmp1-RFP)1Pmay Alternate1
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, hemizygous mice may be bred to wildtype (non-carrier) mice from the colony.
Additional Breeding and Husbandry Support

Citation
When using the STO:K Tg(Acp5-CFP,ibsp-YFP,Dmp1-RFP)1Pmay/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #017472 in your Materials and Methods section.

Animal Health Reports
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.

## Cryorecovery - Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non carrier for Tg(Acp5-CFP, Ibsp-YFP, Dmp1-RFP)1Pmay</td>
<td>$2,595.00</td>
</tr>
</tbody>
</table>

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.

## Related Products and Services

<table>
<thead>
<tr>
<th>Related Products and Services</th>
<th>Price</th>
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<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
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</table>

## 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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Phone: 207-288-6470
Email: TechTran@jax.org

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