STOCK Foxa2 tm1.1rtTaMoon/J

Stock No: 008335

Targeted Mutation

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 Foxa2rtTA/rtTA transgenic mice express the reverse tetracycline-controlled transactivator (rtTA) protein from the forkhead box A2 (Foxa2) locus. This strain provides a tool that allows the inducible expression of genes in cells expressing FOXA2 for cardiac and
neural development research.

Donating Investigator
Anne Moon, University of Utah

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Foxa2^{tm1.1(rtTa)Moon}</td>
<td></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>Targeted (Transactivator)</td>
<td>Foxa2</td>
<td>forkhead box A2</td>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS
Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

These transgenic mice express the reverse tetracycline-controlled transactivator (rtTA) protein from the forkhead box A2 (Foxa2) locus. The expression pattern mimics endogenous (Foxa2) expression. Expression is detected in definitive endoderm, notochord and floorplate of the embryo. When mated to a second transgenic strain carrying a gene of interest under the regulatory control of a tetracycline-responsive promoter element (TRE), expression of the target gene may be regulated by the tetracycline analog, doxycycline (dox); in the presence of dox, transcription of the target gene is induced in cells where rtTA is expressed. Mice that are homozygous for this transgenic insert are viable, fertile, normal in size, and do not display any gross physical or behavioral abnormalities. This strain provides a tool that allows the inducible expression of genes in cells expressing FOXA2 for cardiac and neural development research.
Genotyping Protocols
Standard PCR: Foxa2<sup>tm1.1(rlTa)Moon</sup>
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice can be bred as homozygotes.
Additional Breeding and Husbandry Support

Citation
When using the STOCK Foxa2<sup>tm1.1(rlTa)Moon</sup> /J mouse strain in a publication, please cite the originating article(s) and include JAX stock #008335 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.

<table>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Foxa2&lt;tm1.1(rtTa)Moon&gt;</td>
<td>$2,854.50</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 | Frozen Mouse Embryo | $2,595.00 per straw or vial |

**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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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.

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Terms of Use
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Related Strains

- All
- By Allele
- By Gene