FVB/N-Morc1 Tg[Tyr]1Az/J

Stock No: 004064 | morc-

Transgenic

CRYO RECOVERY

PLACE ORDER

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

Also Known As: morc-

The insertion of a transgene in these mice resulted in a mutation that disrupts expression of the Morc1 gene and produces male sterility. These mice are useful in studies related to male germ cell development and human infertility.

Donating Investigator

Andrew Zinn, UT Southwestern Medical School

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Morc1 Tg[Tyr]1Az</td>
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Allele Type

Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Reproductive Biology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery
Details

Detailed Description
Homozygous female mice and hemizygous male or female mice are viable, fertile and normal in size. Homozygous male mice are sterile as a result of arrested spermatogenesis at or prior to pachytene. Testes of homozygous mice are reduced in size, weighing less than one-third that observed for wild type mice. The transgenic insert imparts an effect on the appearance of the eyes. Wild type mice (FVB/N) will exhibit pink/albino eyes, mice hemizygous for the transgenic insert display brown eyes, while the eyes of homozygotes are black.

Development

Expression Data

Genetics

Morc1<sup>Tg(Tyr)1Az</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Separated PCR: Morc1<sup>Tg(Tyr)1Az</sup>
Separated MCA: Morc1<sup>Tg(Tyr)1Az</sup> SEP PCR
Genotyping resources and troubleshooting

Breeding Considerations
This strain originated and is maintained on an FVB/N background. Homozygous males are sterile.
Additional Breeding and Husbandry Support
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

Pricing effective for USA, Canada and Mexico shipping destinations

Cryorecovery - Domestic Pricing

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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Females Hemizygous or Homozygous or Non carrier for Morc1&lt;Tg(Tyr)1Az&gt;, Males Hemizygous or Non carrier for Morc1&lt;Tg(Tyr)1Az&gt;, 1 pair minimum</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.

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.

The Jackson Laboratory’s Genotype Promise

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.

Terms Of Use

Terms of Use
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