Overview

Also Known As: FVB/N-Tg(Tyr)1Az/J, FVB/N-Morc1 Tg(Tyr)1Az/J, 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
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>Morc1^Tg(Tyr)^Az</td>
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Allele Type
Transgenic (Inserted expressed sequence)

RESEARCH APPLICATIONS
Reproductive Biology Research

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
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

Citation
When using this strain in a publication, please cite the originating article(s) and include JAX stock #004064 in your Materials and Methods section.

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

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<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo</td>
<td>Females Hemizygous or Homozygous or Non carrier for Morc1&lt;Tg(Tyr)1Az&gt;, Males Hemizygous or</td>
<td>$2,595.00</td>
</tr>
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</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.

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**Terms Of Use**

Terms of Use

General Terms and Conditions

**Licensing Information**

Phone: 207–288–6470
Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains
Leading the search for

TOMORROW'S CURES

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