STOCK Foxa2
tm2.1(cre/ESr1*)Mooc1/J

Stock No: 008464 | Foxa2 mcm

Targeted Mutation

PLACE ORDER

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

Also Known As: Foxa2\textsuperscript{mcm}

These knock-in mice express a tamoxifen-inducible cre recombinase from the endogenous promoter/enhancer elements of the forkhead box A2 (Foxa2) locus. When induced, cre activity is observed in the developing endoderm, notochord, and floorplate.

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\textsuperscript{tm2.1(cre/Esr1*)Moon}</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 (Recombinase-expressing, Inducible)</td>
<td>Foxa2</td>
<td>forkhead box A2</td>
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</table>

RESEARCH APPLICATIONS

Research Tools

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description

This strain expresses the tamoxifen-inducible cre/Esr1 from the targeted locus. When crossed with a strain containing a loxP site flanked sequence of interest, the offspring are useful for generating tamoxifen-induced, Cre-mediated targeted deletions specifically
in the developing endoderm, notochord, and floorplate. Heterozygotes and homozygotes are normal in size, viability and fertility.

Genetics

*Foxa2<sup>tm2.1cre/Esr1<sup>·</sup>Moon</sup>*

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR: *Foxa2<sup>tm2.1cre/Esr1<sup>·</sup>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 *Foxa2<sup>·mcm</sup>* mouse strain in a publication, please cite the originating article(s) and include JAX stock #008464 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>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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<tbody>
<tr>
<td><strong>Cryorecovery - Domestic Pricing</strong></td>
<td></td>
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<tr>
<td>SERVICE</td>
<td>GENOTYPE</td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or Wild-type for Foxa2&lt;tm2.1(cre/Esr1)Moon&gt;</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.

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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.

## Terms Of Use

### Terms of Use

**General Terms and Conditions**

| QUESTIONS ABOUT TERMS OF USE |

### Licensing Information

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

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**Related Strains**

- All
- By Allele
- By Gene