Overview

Mice harboring the Foxl1-Cre transgene express Cre recombinase under the control of the mouse Foxl1, forkhead box L1, promoter, in the mesenchymal cells of the stomach and intestine, and in oval cells in injured liver. They may be useful for generating conditional mutations in gastrointestinal mesenchyme and liver progenitor cells.

Donating Investigator

Klaus H. Kaestner, University of Pennsylvania
## GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td><strong>Tg(Foxl1-cre)1Khk</strong></td>
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### Allele Type
- Transgenic (Recombinase-expressing)

### RESEARCH APPLICATIONS

Research Tools

### BASE PRICE

Starting at:

- $2,595.00 Domestic price
- Cryo Recovery

### Details

#### Detailed Description

These transgenic mice express Cre recombinase under the control of the mouse Foxl1, forkhead box L1, promoter. Foxl1 is expressed in the stomach and intestine, and in oval cells in injured liver tissue. Oval cells are bipotential progenitor cells that differentiate into cholangiocytes and hepatocytes. Cre recombinase expression is detected in the mesenchymal cells of the stomach and intestine, and in cells of the liver portal triad after injury, mimicking the endogenous Foxl1 expression pattern. Mice hemizygous for the transgenic insert are viable and fertile. The Donating Investigator reports that homozygotes are not viable.

### Development

### Expression Data

### Control Suggestions

### Selected References
Genotyping Protocols
Probe: Generic Cre Probe
Standard PCR: Generic Cre
MELT: Generic Cre Melt Curve Analysis
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, hemizygous mice may be bred together, to wildtype siblings, or to C57BL/6J inbred mice (Stock No. 000666) or B6SJLF1/J (Stock No. 100012). The Donating Investigator reports that homozygotes are not viable.
Additional Breeding and Husbandry Support

Citation
When using the B6.SJ-Tg(Fox1-cre)1Khk/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #017738 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.
Cryorecovery - Domestic Pricing

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<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non carrier for Tg(Fox1-cre)1Khk</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

| 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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Licensing Information

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

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Related Strains

- All
- By Allele
- By Gene
- By Collection
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Shipments have begun at our new facility, allowing increased access to JAX mouse models.

Leading the search for
TOMORROW'S CURES