Overview

This transgenic mutant mouse strain may be useful in studies of growth and metabolism.

Donating Investigator

Shoshana Yakar, Mount Sinai School of Medicine
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Tg(Ttr-IGF1)1Sykr</td>
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Allele Type
Transgenic (Inserted expressed sequence)

RESEARCH APPLICATIONS
Cell Biology Research
Research Tools
Metabolism Research

BASE PRICE
Starting at:

$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description
These "HIT" transgenic mice overexpress human IGF1 specifically in the liver, with normal tissue IGF-I but have increased serum IGF-I levels. Mice homozygous for the transgenic insert are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator reports that there is no difference between the phenotype exhibited by homozygotes compared to hemizygotes. Of note, the original publication indicates that the transgene contains rat insulin-like growth factor 1, Igf1, under the control of the rat Ttr, transthyretin, promoter, however, sequencing done by JAX indicates that human IGF1 driven by the mouse Ttr promoter.

Development
Genotyping Protocols
Standard PCR: Tg(Ttr-Igf1)1Syak
Genotyping resources and troubleshooting

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

Citation
When using the ICB Tg(Ttr-Igf1)1Sykr/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #012662 in your Materials and Methods section.
Facility Barrier Level Descriptions
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** | **International**
---|---
Pricing effective for USA, Canada and Mexico shipping destinations

### Cryorecovery - Domestic Pricing

<table>
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<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non carrier for Tg(Ttr-Igf1)1Sykr</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 |

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**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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**Terms Of Use**

**Terms of Use**

General Terms and Conditions

QUESTIONS ABOUT TERMS OF USE

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All
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