STOCK Rax tm1.1(creERT2)Sbi/J

Stock No: 025521

Targeted Mutation

CRYO RECOVERY

PLACE ORDER

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
Rax-CreER<sup>T2</sup> mice express tamoxifen-inducible Cre recombinase under the direction of the Rax promoter. They are suitable for fate-mapping analysis in the developing and mature retina, hypothalamus and pituitary.

**Donating Investigator**

Seth Blackshaw, Johns Hopkins University School of Medicine

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**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rax&lt;sup&gt;tm1.1(cre/ERT2)Sb1s&lt;/sup&gt;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Recombinase-expressing, Inducible)</td>
<td>Rax</td>
<td>retina and anterior neural fold homeobox</td>
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</tbody>
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**RESEARCH APPLICATIONS**

- Sensorineural Research
- Developmental Biology Research
- Research Tools
- Endocrine Deficiency Research

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**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

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**Details**

**Detailed Description**

Rax-CreER<sup>T2</sup> mice express a creER<sup>T2</sup> fusion protein from endogenous retina and anterior neural fold homeobox (Rax) promoter/enhancer elements. RAX is a homeobox-containing transcription factor that functions in eye development and retinal cell fate determination. It is also expressed in the hypothalamus and posterior pituitary. Heterozygous mice are viable and fertile, while homozygotes are neonatal lethal. When Rax-CreER<sup>T2</sup> mice are bred with mice containing loxP-flanked sequences, tamoxifen-
inducible. Cre-mediated recombination will result in deletion of the floxed sequences in offspring.

When bred to B6.Cg-Gt(ROSA)26Sor^{tm9(CAG-tdTomato)1av} /J mice (Stock No. 007909), cre-mediated recombination results in tdTomato fluorescent protein expression in retinal and hypothalamic progenitor cells, as well as progenitor cells of the posterior pituitary.
Pricing & Availability

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

### Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Rax&lt;tm1.1(cre/ERT2)Sbls&gt;</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 |

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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Email: TechTran@jax.org

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