B6C3Fe a/a-Tcirg1 oc/J

Stock No: 000230

Spontaneous Mutation

PLACE ORDER

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

Mice homozygous for the osteosclerotic spontaneous mutation (oc) can be recognized at about 10 days by failure of eruption of the incisors, clubbed feet, and circling behavior. Homozygous mutant mice may also have a kinked tail. They grow normally for about the first 10 days of life, then lose weight or at least fail to gain.

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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</thead>
<tbody>
<tr>
<td>a</td>
<td></td>
</tr>
<tr>
<td>Allele Type</td>
<td>Gene Symbol</td>
</tr>
<tr>
<td>Spontaneous</td>
<td>a</td>
</tr>
</tbody>
</table>

Tcirg1 oc

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Tcirg1</td>
<td>T cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein A3</td>
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</tbody>
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VIEW GENETICS

Internal/Organ Research
Developmental Biology Research
Endocrine Deficiency Research
Neurobiology Research
Sensorineural Research

VIEW ALL RESEARCH APPLICATIONS

Starting at:
Details

Detailed Description

Mice homozygous for the osteosclerotic spontaneous mutation (oc) can be recognized at about 10 days by failure of eruption of the incisors, clubbed feet, and circling behavior. Homozygous mutant mice may also have a kinked tail. They grow normally for about the first 10 days of life, then lose weight or at least fail to gain.

Development

Control Suggestions

Genetics

a

Tcrg1sc

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Standard PCR: Tcrg1sc
Genotyping resources and troubleshooting
Breeding Considerations
When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony. Homozygotes die by 16 days of age.

Additional Breeding and Husbandry Support

Appearance
black
Related Genotype: a/a Tcrg1<oc>+/ or a/a +/?

Citation
When using the BAC<sup>Fe</sup> a/a Tcrg1<sup>0c</sup>/j mouse strain in a publication, please cite the originating article(s) and include JAX stock #000230 in your Materials and Methods section.

Animal Health Reports
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.

Cryo Recovery

<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 Tcrg1&lt;oc&gt;, 1 pair minimum</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.

Cryo recovery 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.

The Jackson Laboratory's Genotype Promise
The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX<sup>®</sup> Mice strains as well as the genotypes of strains with identified molecular mutations. JAX<sup>®</sup> 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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