B 6 (S JFLd) x nu-2J GrsrJ

Overview

Mice homozygous for the spontaneous mutation Foxn1
nu-2J are athymic, and therefore T cell deficient and useful where an immunocompromised host is needed.

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

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
</table>

**Foxn1nu-2J**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Foxn1</td>
<td>forkhead box N1</td>
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</table>

RESEARCH APPLICATIONS

Developmental Biology Research
Immunology, Inflammation and Autoimmunity Research
Research Tools
Internal/Organ Research
Dermatology Research
Hematological Research

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

Mice homozygous for the nude 2 Jackson mutation can be identified by approximately 1 week of age by their wrinkly skin. Histology of the skin shows severe follicular dystrophy and their hair fails to grow in leaving them hairless throughout their shortened lifespan. Homozygotes are athymic, smaller than normal, and have short, curled, or sparse vibrissae. Females have small litters or fail to produce pups.

Development

Control Suggestions

Selected References

Genetics
Genotyping Protocols
Sanger sequencing: Foxn1
Genotyping resources and troubleshooting

Breeding Considerations
Homozygotes are athymic and therefore T cell deficient and immunocompromised. Female homozygotes have reduced fertility and litter size.

Additional Breeding and Husbandry Support

Mating System
Backcross-Intercross
homozygote x C57BL/6J then intercross of obligate heterozygote

Citation
When using the B6(SJL)-Foxn1nu-2J/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #016195 in your Materials and Methods section.

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

Cryo Recovery
Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for -Foxn1&lt;nu-2J&gt;</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

### Related Products and Services

| Frozen Mouse Embryo | B6(SJL)-Foxn1<nu-2J>/GrsrJ Frozen Embryos | $2,595.00 |

### 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

General Terms and Conditions

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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

All Related Strains