NOD.Cg-Prkdc scid/Dv(HLA-A2.1)1Enge

Stock No: 004262 | NOD-scid-HLA-A2

Congenic, Transgenic

CRYO RECOVERY

PLACE ORDER

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

Also Known As: NOD-scid-HLA-A2

This strain was developed to provide humanized islet allograft donors. NOD-scid-HLA-A2 positive islet grafts in diabetic NOD-Rag1nullPrf1null mice are rejected by HLA-A2-negative, but not by HLA-A2-positive, human peripheral blood mononuclear cells. Graft rejection occurred in the absence of detectable graft-vs-host disease (GVHD). This strain is useful as a model for the in vivo study of human islet allograft rejection.

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Prkdc&lt;sup&gt;scid&lt;/sup&gt;</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allele Type</td>
<td>Spontaneous</td>
<td>Prkdc</td>
</tr>
<tr>
<td></td>
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<td>protein kinase, DNA activated, catalytic polypeptide</td>
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<table>
<thead>
<tr>
<th>Mcep1&lt;sup&gt;Tg(HLA-A2.1)1Enge&lt;/sup&gt;</th>
<th>Allele Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transgenic (Null/Knockout, Inserted expressed sequence, Humanized sequence)</td>
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RESEARCH APPLICATIONS

Research Tools
- Immunology, Inflammation and Autoimmunity Research
- Internal/Organ Research
- Virology Research

BASE PRICE
Starting at: $2,854.50 Domestic price Cryo Recovery
This strain was developed to provide humanized islet allograft donors. NOD-scid-HLA-A2 positive islet grafts in diabetic NOD-Rag1<sup>−/−</sup>Prf1<sup>−/−</sup> mice are rejected by HLA-A2-negative, but not by HLA-A2-positive, human peripheral blood mononuclear cells. Graft rejection occurred in the absence of detectable graft-vs-host disease (GVHD). This strain is useful as a model for the <i>in vivo</i> study of human islet allograft rejection.
Appearance
albino, pink eyed

Related Genotype: A/A Tyf^i/Tyf^r

Citation
When using the NOD-scid-HLA-A2 mouse strain in a publication, please cite the originating article(s) and include JAX stock #004262 in your Materials and Methods section.

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

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**Pricing & Availability**

- **Cryo Recovery**

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

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**Domestic**

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous for Tg(HLA-A2.1)1Enge</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.

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.

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**Related Products and Services**

- **Frozen Mouse Embryo**

  NOD.Cg-Mcph1<Tg(HLA-A2.1)1Enge> Prkdc<scid>/Dvs Frozen

  **$2595.00**

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

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