Overview

Also Known As: NSG-(K D) (IA), NSG-(K D) (IA)

NSG-(K D) (IA) mutant mice combine the features of the severe combined immune deficiency mutation (scid), IL2 receptor gamma chain deficiency, MHC class I molecule (H2-K and D) deficiency, and MHC class II molecule deficiency (IA) and exhibit a resistance to graft versus host disease (GVHD). They provide a model useful to study in vivo mechanisms of xenogeneic GVHD and to rapidly assess therapeutic agents.

Donating Investigator
Dr. Leonard D. Shultz, The Jackson Laboratory

GENETIC OVERVIEW

- **H2-Ab1em1Mvw**
  - **Allele Type**: Endonuclease-mediated (Null/Knockout)
  - **Gene Symbol**: H2-Ab1
  - **Gene Name**: histocompatibility 2, class II antigen A, beta 1

- **H2-K1tm1Bpe**
  - **Allele Type**: Targeted (Null/Knockout)
  - **Gene Symbol**: H2-K1
  - **Gene Name**: histocompatibility 2, K1, K region

- **Prkdcscid**
  - **Allele Type**: Spontaneous
  - **Gene Symbol**: Prkdc
  - **Gene Name**: protein kinase, DNA activated, catalytic polypeptide

- **Il2rgtm1Wjl**
  - **Allele Type**: Spontaneous
  - **Gene Symbol**: Il2rg
  - **Gene Name**:...
Human Immunodeficiency Virus Type 1 (HIV-1) Targeted (Null/Knockout) Il2rg interleukin 2 receptor, gamma chain

**H2-D1m1Bpe**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>H2-D1</td>
<td>histocompatibility 2, D region locus 1</td>
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**RESEARCH APPLICATIONS**

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

**BASE PRICE**

Starting at:

$249.90 Domestic price for male 3-week

**Details**

**Genetics**

**Disease/Phenotype**