B6.129P2-Isg15^{tm1Kpk}\textsuperscript/J

Stock No: 010486

Congenic Targeted Mutation

PLACE ORDER

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

Overview

This targeted mutation of the ISG15 ubiquitin-like modifier (Isg15) gene displays increased susceptibility to Influenza A/B and HSV-1, but LCMV or VSV and may be useful in studies of interferon-induced antiviral responses and differing susceptibilities to viral infection.

Donating Investigator

Klaus-Peter Knobeloch, University Freiburg
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>lsg15^{lm1}Kpk</td>
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<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>lsg15</td>
<td>ISG15 ubiquitin-like modifier</td>
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RESEARCH APPLICATIONS

Research Tools
Immunology, Inflammation and Autoimmunity Research
Virology Research

BASE PRICE

Starting at:

$2,595.00 Domestic price Cryo Recovery

Details

Detailed Description

Mice homozygous for this allele are viable and fertile and possess a loxP site flanked neomycin resistance cassette disrupting exon 2 of the targeted gene. Composition of the major cell populations of the immune system in spleen, bone marrow, lymph nodes and thymus is not affected by the mutation. Homozygous mice have an increased susceptibility to influenza A/B, HSV-1 and Sindbis virus, however, response to VSV and LCMV is unaltered from control mice. These mice may be useful in studying interferon-induced antiviral responses and differing susceptibilities to viral infection.

Development

Control Suggestions

Selected References
Genetics

- Isg15<sup>Im1Kpk</sup>

Disease/Phenotype

- Disease Terms
- Research Areas By Genotype
- Mammalian Phenotype Terms by Genotype
- References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Standard PCR: Isg15<sup>Im1Kpk</sup>
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice can be bred as homozygotes.
Additional Breeding and Husbandry Support

Citation
When using the B6.129P2-Isg15<sup>Im1Kpk</sup>/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #010486 in your Materials and Methods section.
Facility Barrier Level Descriptions
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.

Domestic International
Pricing effective for USA, Canada and Mexico shipping destinations

Cryorecovery - Domestic Pricing
<table>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for sg15&lt;tm1Kpk&gt;</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.

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.

<table>
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<tr>
<th>Related Products and Services</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</td>
</tr>
</tbody>
</table>

**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® 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.

**Terms Of Use**

**Terms of Use**
*General Terms and Conditions*

**Additional Use Restrictions Apply**
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**Licensing Information**
Phone: 207-288-6470  
Email: TechTran@jax.org

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Shipments have begun at our new facility, allowing increased access to JAX mouse models.