C57BL/KaLawRij-Sharpin<sup>cpdm</sup>/RijSunJ

Stock No: 007599

Coisogenic, Spontaneous Mutation

CRYO RECOVERY

PLACE ORDER

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

Mice homozygous for this spontaneous mutation develop a severe, chronic, inflammatory skin disease beginning at 3-5 weeks of age. This mutant mouse strain may be useful in studies related to eosinophilic dermatitis, inflammation and secondary lymphoid organ development.

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Sharpin&lt;sup&gt;cpdm&lt;/sup&gt;</td>
<td></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>Spontaneous</td>
<td>Sharpin</td>
<td>SHANK-associated RH domain interacting protein</td>
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</tbody>
</table>

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research
Dermatology Research

BASE PRICE
Starting at:

$2,854.50 Domestic price Cryo Recovery

Details

Detailed Description

Mice homozygous for this spontaneous mutation develop a severe, chronic, inflammatory skin disease beginning at 3-5 weeks of age. Mice appear runted and life span is shortened. In addition to dermatitis, homozygotes exhibit multi-organ inflammation with eosinophilia, defective TH1 cytokine production, splenomegaly, absent Peyer’s patches (adult), diminished serum immunoglobulins, and an absence of B cell follicles, follicular dendritic cells, and germinal centers in secondary lymph organs. This mutant mouse strain may be useful in studies related to eosinophilic dermatitis, inflammation, and secondary lymphoid organ development.

Development
Genotyping Protocols
Pyrosequencing: Sharpin<sup>cpdm</sup>
End Point Analysis: Sharpin<sup>cpdm-EP</sup>
Genotyping resources and troubleshooting

Appearance
black
Related Genotype: a/a

Citation
When using the GPRCL/Kai awRii-Sharpin<sup>cpdm</sup>/RiiSunJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #007589 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.
<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Homozygous, heterozygous or wildtype for Sharpin&lt;cpdm&gt;</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.

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.

**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 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

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

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All

By Allele

By Gene

By Collection

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