B6.129P2-F9 tm1Dws/J

Stock No: 004303

🌿 Congenic, Targeted 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

These F9 knock-out mice exhibit curtailed clotting activity with spontaneous hemorrhage in footpad tissues and subcutaneous hemorrhages.

Donating Investigator

Darrel W. Stafford, University of North Carolina
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>F9tm1Dws</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>Targeted (Null/Knockout)</td>
<td>F9</td>
<td>coagulation factor IX</td>
</tr>
</tbody>
</table>

VIEW GENETICS

RESEARCH APPLICATIONS

Hematological Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:
$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice that are homozygous for this targeted mutation are viable, fertile and normal in size. As this mutation is X-linked, males bearing the targeted allele display a mutant phenotype similar to that seen in homozygous females. Gene product activity, as measured by clotting activity using an activated partial thromboplastin time (APTT) Factor IX assay, was reduced to 8% of normal. Mutant mice experience spontaneous bleeding that can lead to swelling of the top of the feet or the footpads. Sudden death due to massive internal hemorrhaging can occur as a result of normal fighting in the cage. Tail cut wounds must be cauterized to prevent blood loss and death in mutant mice. This mutant mouse strain represents a model that may be useful in studies related to gene therapy methods and function of factor IX mutations.

Development

Control Suggestions

Selected References

Genetics
Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Separated MCA: F9Im10ws redesign
Genotyping resources and troubleshooting

Breeding Considerations
This strain originated on a B6;129P2 background and has been backcrossed to C57BL/6 mice for 10 generations. Matings of homozygous females and hemizygous males may be used when maintaining a live colony.
Additional Breeding and Husbandry Support

Citation
When using the B6;129P2-F9Im10ws/J mouse strain in a publication, please cite the originating article(s) and include JAX stock number 004303 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>Domestic</th>
<th>International</th>
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</thead>
<tbody>
<tr>
<td>Cryorecovery - Domestic Pricing</td>
<td></td>
</tr>
<tr>
<td>SERVICE</td>
<td>GENOTYPE</td>
</tr>
</tbody>
</table>

Pricing effective for USA, Canada and Mexico shipping destinations
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.

### Related Products and Services

| Frozen Mouse Embryo | $2,595.00 per straw or vial |

**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.

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**General Terms and Conditions**

**Additional Use Restrictions Apply**

*Use of MICE by companies or for-profit entities requires a license prior to shipping.*

**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