B6N.FVB-Tg(Dmp1-cre)1Jqfe/BwdJ

Stock No: 023047 | Dmp1-Cre

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: Dmp1-Cre

These mice express Cre recombinase under the control of the murine dentin matrix protein 1 (Dmp1) promoter/enhancer elements. This strain represents an effective tool for generating odontoblast and osteocyte specific-targeted mutants that would be useful in studies of bone growth and mineralization.

Donating Investigator
Lynda Bonewald, University of Missouri-Kansas City
Jian Q. Feng, Baylor College of Dentistry

### GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td><strong>Tg(Dmp1-cre)1Jqfe</strong></td>
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**Allele Type**
Transgenic (Recombinase-expressing)

### RESEARCH APPLICATIONS

- Internal/Organ Research
- Cancer Research
- Research Tools

### BASE PRICE

Starting at:

- $2,595.00 Domestic price Cryo Recovery

### Details

These mice express Cre recombinase under the control of the murine dentin matrix protein 1 (Dmp1) promoter/enhancer elements. DMP1 is an extracellular matrix protein involved in bone and dentin mineralization. Homozygotes are viable and fertile. Cre
recombinase expression is seen in odontoblasts and osteocytes, with weak expression seen in osteoblasts. When crossed with a strain containing a loxP site-flanked sequence, Cre-mediated recombination results in deletion of the flanked sequence in DMP1 expressing cells.

For example, when bred to B6:129-Lrps\textsuperscript{tm1Mawa}\textsuperscript{J} mice (Stock No. 012670) this mutant mouse strain may be useful in studies of bone mass regulation.
## Pricing & Availability

**Cryo Recovery**

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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<tbody>
<tr>
<td><strong>Cryorecovery - Domestic Pricing</strong></td>
<td><strong>GENOTYPE</strong></td>
</tr>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non carrier for Tg(Dmp1-cre)1Jqfe/Bwd</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.

### 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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Email: TechTran@jax.org

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All

By Allele

By Gene

By Collection

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