129S1/SvImJ-Bcl2<sup>tm1Mpin/J</sup>

Stock No: 003082 | bcl-2 -

- Targeted Mutation

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: bcl-2 -

These Bcl2 knock-out mice exhibit expression of beta-galactosidase in populations of large sensory neurons. They are suitable for use in applications related to the study of apoptosis.
**Genetic Overview**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bcl2&lt;sup&gt;tm1Mpin&lt;/sup&gt;</strong></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted (Reporter, Null/Knockout)</td>
<td>Bcl2</td>
<td>B cell leukemia/lymphoma 2</td>
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</table>

**Research Applications**

- Hematological Research
- Immunology, Inflammation and Autoimmunity Research
- Internal/Organ Research
- Research Tools
- Neurobiology Research
- Apoptosis Research
- Cancer Research
- Developmental Biology Research

**Base Price**

Starting at:

- $2,595.00 Domestic price
- Cryo Recovery

**Details**

Heterozygous mice exhibit expression of beta-galactosidase in populations of large sensory neurons. Mice homozygous for the Bcl2<sup>tm1Mpin</sup> targeted mutation do not produce either the a or b form of the Bcl2 protein. Bcl2 is a major regulator of programmed cell death, a critical process in shaping the developing nervous system. The absence of the Bcl2 does not significantly influence the development of motor neurons before or during the main period of physiological cell death. Rather, Bcl2 exerts its influence beyond...
this period, subsequent to the phase where the majority of neuronal loss normally takes place. Polycystic kidney disease is less severe in this strain compared to the Bcl2\textsuperscript{tm1S\textk} targeted mutation (Stock No. 002265).

**Expression Data**

**Control Suggestions**

**Selected References**

**Genetics**

**Bcl2\textsuperscript{tm1M\textpin}**

**Disease/Phenotype**

**Disease Terms**

**Research Areas By Genotype**

**Mammalian Phenotype Terms by Genotype**

**References**

**Technical Support**

CONTACT TECHNICAL SUPPORT

**Genotyping Protocols**
Standard PCR: Bcl2\textsuperscript{tm1M\textpin}
Genotyping resources and troubleshooting

**Breeding Considerations**
When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony or to 129S1/SvImJ inbred mice (Stock No. 002448). Homozygous mice are lethal.
Additional Breeding and Husbandry Support

**Appearance**
The expected coat color from breeding is White Bellied Agouti.

**Citation**
When using this strain in a publication, please cite the originating article(s) and include JAX stock #003082 in your Materials and Methods section.
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

**Cryorecovery - Domestic Pricing**

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or wildtype for Bcl2&lt;tm1Mpin&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.

### 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.

**Terms Of Use**

Terms of Use

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Licensing Information
Phone: 207-288-6470
Email: TechTran@jax.org

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