B6.129-Calb1<sup>tm1Mpin/J</sup>

Stock No: 003079 | Calbindin Null

*Congenic, Targeted Mutation*

**CRYO RECOVERY**

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

**Also Known As: Calbindin Null**

These Calb1 knock-out mice exhibit motor coordination impairment and ataxia. They are suitable for use in applications related to the study of physiological roles of calbindin in the nervous system.

**Donating Investigator**

Michael Meyer, Ludwig-Maximilians-University Munich

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calb1&lt;sup&gt;tm1Mpin&lt;/sup&gt;</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
</tr>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Calb1</td>
<td>calbindin 1</td>
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**RESEARCH APPLICATIONS**

Neurobiology Research
Metabolism Research
Apoptosis Research

**BASE PRICE**

Starting at:
Details

Detailed Description
Mice homozygous for the Calb1\textsuperscript{tm1Mpin} targeted mutation are viable and fertile. Homozygous mutant mice show severe impairment in tests of motor coordination and exhibit ataxia when challenged on a runway. These results suggest functional deficits in cerebellar pathways. Confocal calcium imaging of cerebellar Purkinje cells reveals marked changes of synaptically-evoked postsynaptic calcium transients.

Control Suggestions

Genetics

Calb1\textsuperscript{tm1Mpin}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
MELT: Calb1\textsuperscript{tm1Mpin}–Alternate 1
Genotyping resources and troubleshooting

Appearance
black, ataxic
Related Genotype: a/a Calb1\textsuperscript{tm1Mpin}/Calb 1\textsuperscript{tm1Mpin}
Citation
When describing a Calkeepers Balb mouse strain in a publication, please cite the originating article(s) and include JAX stock #003079 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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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for Calb1&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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Terms Of Use

Terms of Use
General Terms and Conditions

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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