Overview

Also Known As: C2B fl/+  
These floxed mutant mice possess loxP sites flanking exons 3-5 of the Pik3c2b gene. This strain may be useful for generating conditional mutations in applications related to epidermal differentiation.

Donating Investigator
## GENETIC OVERVIEW

**Genetic Background**

**Generation**

### Pik3c2b<sup>tm1Pkha</sup>

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Conditional ready (e.g. floxed), No functional change)</td>
<td><code>Pik3c2b</code></td>
<td>phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 beta</td>
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## RESEARCH APPLICATIONS

### Research Tools

### BASE PRICE

**Starting at:**

$2,854.50 Domestic price Cryo Recovery

**Details**

These mice possess `loxP` sites on either side of exons 3-5 of the targeted gene. Mice that are homozygous for this allele are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. When used in conjunction with a Cre recombinase-expressing strain, this strain can be used to generate tissue-specific mutants of the floxed allele.

### Development

### Control Suggestions

### Selected References
Genetics

Pik3c2b^tm1Pkha

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
Standard PCR: Pik3c2b
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice are bred as homozygotes.

Additional Breeding and Husbandry Support

Citation
When using the C2Β^fl/+ mouse strain in a publication, please cite the originating article(s) and include JAX stock #005702 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability

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

Domestic

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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tr>
<td>Cryorecovery - Domestic Pricing</td>
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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains