These mice express prostate specific tamoxifen-inducible cre, and may be useful when studying prostate specific disorders.

Donating Investigator

Andreas Birbach, Medical University of Vienna

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
ProbasinBAC-MerCreMer mice express MerCreMer double fusion protein from the probasin (Pbsn) promoter/enhancer regions on the BAC transgene. Homozygotes are viable and fertile, and carry 8-11 copies of the transgene. Probasin is an androgen-regulated protein expressed in all four lobes of the prostate. Of note, the MerCreMer double fusion protein has substantially greater Cre recombinase activity with less promiscuity compared with the CreMer single fusion protein. When ProbasinBAC-MerCreMer mice are bred with mice containing loxP-flanked sequences, tamoxifen-inducible Cre-mediated recombination is expected to result in deletion of the floxed sequences in the prostate epithelium of the offspring.
**Related Products and Services**

- Frozen Mouse Embryo: C57BL/6-Tg(Pbsn-cre/Esr1*)14Abch/J Frozen Embryo - $2595.00

**Pricing & Availability**

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

<table>
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<th>Domestic</th>
<th>Internation</th>
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<td>Domestic</td>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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<td>Hemizygous or Non carrier for Tg(Pbsn-cre/Esr1*)14Abch</td>
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**Contact Technical Support**

**Genotyping Protocols**

- Standard PCR: Tg(Pbsn-cre/Esr1*)14Abch
- Genotyping resources and troubleshooting

**Breeding Considerations**

When maintaining a live colony, homozygous mice may be bred together.

**Additional Breeding and Husbandry Support**

**Citation**

When using the ProbasinBAC-MerCreMer mouse strain in a publication, please cite the originating article(s) and include JAX stock #020287 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*
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