These Mx-Cre mice express a transgene containing the Mx1 promoter driving Cre recombinase.

Donating Investigator

Klaus Rajewsky, Max Delbruck Centre for Molecular Medicine

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

PLACE ORDER

STOCK Tg(Mx1-cre)1Cgn/J
Stock No: 002527 | Mx-Cre
Transgenic

BASE PRICE
Starting at:

VIEW GENETICS

RESEARCH APPLICATIONS
Research Tools

VIEW ALL RESEARCH APPLICATIONS
The Cre recombinase is under the control of the Mx1 promoter. This promoter is silent in healthy mice, but can be induced to high levels of transcription by administration of interferon alpha, interferon beta, or synthetic double-stranded RNA. When combined with a mutant carrying a gene that has been flanked by loxP recognition sites, the expression of Cre recombinase causes the flanked gene to be removed. This provides researchers with the capability to induce the "knockout" at any time during development. There was ~1% background recombination seen in mice not treated with interferon. The percent deletion of the targeted gene varied depending on tissue type, presumably due to the amount of interferon-responsive cells present or to the availability of interferon in each organ.
Genotyping Protocols
Genotyping resources and troubleshooting

Citation
When using the Mx-Cre mouse strain in a publication, please cite the originating article(s) and include JAX stock #002527 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.

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Carrier or non-carrier for Tg(Mx1-cre)1Cgn</td>
<td>$2,854.50</td>
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