These int-1 mice express a transgene containing Wnt1 driven by the mouse mammary tumor virus (MMTV), and show grossly hyperplastic mammary glands compared to wild-type littermates.

Donating Investigator
IMR Colony, The Jackson Laboratory

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

BASE PRICE
Starting at:
Mammary glands from virgin hemizygous females carrying the (Wnt1)1Hev transgene resemble hormonally-stimulated glands from pregnant mice. There was a marked increase in numbers of terminal branches and alveoli, producing a diffuse lobular hyperplasia. Parous transgenic females were unable to lactate. Hemizygous transgenic male glands, while less developed, also were hyperplastic. Adenocarcinomas developed between 3 and 7 months in females and more rarely in males. Occasional metastatic lesions were observed in females. Salivary adenocarcinomas were also occasionally observed in both males and females. Tumors arose stochastically, indicating additional events are required for neoplasia. Subsequent work with Wnt1 transgenic mice includes infection with MMTV to identify contributing oncogenes and mating to transgenic mice bearing other oncogenes.
Technical Support

Genotyping Protocols
Standard PCR: Tg(Wnt1)1Hev
Standard PCR: Tg(Wnt1)1Hev
Genotyping resources and troubleshooting

Breeding Considerations

Hemizygotes are fertile, but hemizygous females do not lactate. When maintaining a live colony, transgenic males can be mated to B6SJLF1/J (JR#100012) females. Expected coat color from breeding: Black, White Bellied Agouti, Light Gray and Tan w/ pink eyes.

Additional Breeding and Husbandry Support

Citation
When using the int-1 mouse strain in a publication, please cite the originating article(s) and include JAX stock #002870 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

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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<td>Cryo Recovery</td>
<td>Hemizygous males and Non Carrier females for Tg(Wnt1)1Hev</td>
<td>$2,854.50</td>
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RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo  B6SJL-Tg(Wnt1)1Hev/J Frozen Embryo $2595.00
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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All

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By Collection

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