**Overview**

These transgenic mice express the human NPC1 (Niemann-Pick disease, type C1, gene)-like 1 (*NPC1L1*) gene under the control of the human apolipoprotein E (*APOE*) promoter and hepatic control region. This mutant mouse strain exhibits decreased biliary cholesterol levels, which is associated with increased plasma cholesterol levels, and may be useful in studies related to lipid metabolism and cholesterol transport.
These transgenic mice express the human NPC1 (Niemann-Pick disease, type C1, gene)-like 1 (NPC1L1) gene under the control of the human apolipoprotein E (APOE) promoter and hepatic control region. Transgene expression is detected in liver by Western blot analysis and is localized to the canalicular membrane. Transgenic mice exhibit decreased biliary cholesterol levels, which is associated with increased plasma cholesterol levels (mostly apoE-rich HDL particles). Biliary phospholipid and bile acid levels are not affected. Mice that are hemizygous for the transgene are viable, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator has not attempted to make this strain homozygous. This mutant mouse strain may be useful in studies of lipid metabolism and cholesterol transport.
Genotyping Protocols
Standard PCR: Tg(APOE-NPC1L1)20Lqyu
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, these mice can be bred as hemizygotes. The Donating Investigator maintained the strain as a hemizygote.

Additional Breeding and Husbandry Support

Citation
When using the B6.D2-Tg(APOE-NPC1L1)20Lqyu/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #008408 in your Materials and Methods section.

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200
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>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non carrier for Tg(APOE-NPC1L1)20Lqyu</td>
<td>$2,854.50</td>
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</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.

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**Related Products and Services**

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>B6;D2-Tg(APOE-NPC1L1)20Lqyu/J Frozen Embryo</td>
<td>$2595.00</td>
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**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**

[General Terms and Conditions](#)

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*Use of MICE by companies or for-profit entities requires a license prior to shipping.*

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