These hybrid mice are useful in providing hybrid vigor in the genetic background for deleterious mutations.

### GENETIC OVERVIEW

**Genetic Background**

<table>
<thead>
<tr>
<th>Generation</th>
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<tbody>
<tr>
<td>F1</td>
</tr>
<tr>
<td>(2019-06-13 00:00:00)</td>
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</table>

**Marker(s)**

<table>
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<tr>
<th>Marker Symbol</th>
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<tbody>
<tr>
<td>a</td>
<td>nonagouti</td>
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</tbody>
</table>

**Place Order**

Live mice available in varying quantities. Ask Customer Service for details.
These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6JEiJ females (B6Ei) and C3H/HeSnJ males (C3Sn). F1 hybrid mice are heterozygous at all loci where the parental strains have different alleles, and like inbred mice they are genetically and phenotypically uniform. F1 hybrids are often used for hybrid vigor, as a background for some deleterious mutations, for tissue transplantation, to determine the mode of inheritance, to create or enhance expression of polygenic diseases, and to provide physiological buffering (present a broader array of responses to various stresses).
Genotyping Protocols
Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)

Mating System
Inbred x Inbred
C57BL/6J female (000924) x C3H/HeSnJ male (000661)

Appearance
agouti
Related Genotype: a/A

Citation
When using the B6EiC3SnF1/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #001875 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

Pricing & Availability
Live mice available in varying quantities. Ask Customer Service for details.

Available Now

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Not Applicable</td>
<td>$183.00</td>
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<td>Male</td>
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<tr>
<td>9 weeks</td>
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Terms of Use

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Licensing Information
Phone: 207-288-6470
Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains