Produced by a cross between a C57BL/6J (B6) female x an SJL/J (SJL) male. B6SJLF1/J mice are heterozygous for B6 and SJL alleles at all loci in their genome. This strain is often used in the production of transgenic mice.

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>F1</td>
</tr>
<tr>
<td></td>
<td>(2019-05-22 00:00:00)</td>
</tr>
</tbody>
</table>

**RESEARCH APPLICATIONS**

Research Tools
These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6J females (B6) and SJL/J males (SJL). F1 hybrid mice are heterozygous at all loci (assuming 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).

Development

Genetics

Currently there are no related genes or alleles for this strain.

Disease/Phenotype

Disease Terms

Research Areas By Phenotype
Genotyping Protocols
Genotyping resources and troubleshooting
Hybrid mice are produced from breeding two different inbred strains together (F1) or the breeding of hybrids together (F2); no genotyping required.

Breeding Considerations
This strain is an exceptional breeder.

Additional Breeding and Husbandry Support

Appearance
agouti
Related Genotype: A/a p Tyr<sup>F</sup> /+ + Pde6b<sup>rd1</sup> /+

Citation
When using the B6SJLF1/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #100012 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions

- AX4 (Standard)
- RB04 (Maximum)

Pricing & Availability
Sized to accommodate orders of up to 100 or more. Ask Customer Service for details.

Domestic
Pricing effective for USA, Canada and Mexico shipping destinations
<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>3 weeks</td>
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<td>Not Applicable</td>
<td>$26.90</td>
</tr>
<tr>
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<td>Male</td>
<td>Not Applicable</td>
<td>$24.39</td>
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<tr>
<td>4 weeks</td>
<td>Female</td>
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<td>$26.90</td>
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<td></td>
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<td>Not Applicable</td>
<td>$24.39</td>
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<tr>
<td>5 weeks</td>
<td>Female</td>
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<td></td>
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<td>$25.71</td>
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<td>7 weeks</td>
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<td>8 weeks</td>
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<td>$31.61</td>
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<td>9 weeks</td>
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<td>$32.28</td>
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<tr>
<td>10 weeks</td>
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<td>$43.45</td>
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<tr>
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<td>Male</td>
<td>Not Applicable</td>
<td>$38.19</td>
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</table>

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>Volume Pricing</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>10% off</td>
</tr>
</tbody>
</table>

**Volume Pricing Program**
Quantities: Volume pricing is automatically applied when a minimum quantity per strain for a shipment is reached
Sexes: Sexes of the same strain may be combined to reach minimum quantity levels to receive the volume pricing
Shipment: All shipping destinations qualify

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Terms Of Use

General Terms and Conditions

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