**B6;SJL-Tg(ACTFLPe)9205Dym/J**

**Stock No:** 003800 | ACTB:FLPe B6;SJL

- **Transgenic**

**CRYO RECOVERY**

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

**Also Known As:** ACTB:FLPe B6;SJL

This transgenic strain expresses a FLP1 recombinase gene under the direction of the human ACTB promoter. Recombinase activity is detected in a wide variety of tissues (spinal cord, heart, gonad, adrenal) as early as embryonic day 10.5. This deleter strain is a suitable alternative to, and complement with the Cre-loxP system for in vivo genetic engineering.

**Donating Investigator**

Susan M Dymecki, Harvard Medical School

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<td>Tg(ACTFLPe)9205Dym</td>
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**Allele Type**

Transgenic (Recombinase-expressing)

**RESEARCH APPLICATIONS**

**Research Tools**

**BASE PRICE**

Starting at:
Details

Detailed Description

This transgenic strain expresses a variant of the Saccharomyces cerevisiae FLP1 recombinase gene under the direction of the human ACTB promoter. The FLPe recombinase variant exhibits enhanced thermostability with recombination activity being four-fold and ten-fold that of wildtype FLP at 37C and 40C, respectively. Mice that are hemizygous for the transgenic allele are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. Recombinase activity is detected in a wide variety of tissues (spinal cord, heart, gonad, adrenal) as early as embryonic day 10.5. This deleter strain is a suitable alternative to, and complement with the Cre-loxP system for in vivo genetic engineering.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(ACTFLPe)9205Dym

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
QPCR: Generic FLPe qPCR
Standard PCR: Tg(ACTFLPe)
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, homozygous mice may be bred together. Several coat colors may be expected.
Additional Breeding and Husbandry Support

Citation
When using the ACTFLPe B6.SJL mouse strain in a publication, please cite the originating article(s) and include JAX stock #003800
Animal Health Reports
in your Materials and Methods section.
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>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or Non Carrier for Tg(ACTFLPe)9205Dym</td>
<td>$2,595.00</td>
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</tbody>
</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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TOMORROW'S CURES

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