FVB/N-Tg(Cdx2-flpo)2Ddg/J

Stock No: 030288 | Cdx2-NSE-FlpO

Coisogenic, Transgenic

CRYO RECOVERY

PLACE ORDER

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

Overview

Also Known As: Cdx2-NSE-FlpO
The Cdx2 promoter and neural specific enhancer (NSE) drive expression of Flp recombinase (FlpO) in the caudal neuroectoderm.

Donating Investigator

David D. Ginty, Harvard Medical School
**GENETIC OVERVIEW**

**Tg(Cdx2-flpo)2Ddg**

**Allele Type**
Transgenic (Recombinase-expressing)

**RESEARCH APPLICATIONS**

**BASE PRICE**
Starting at:
$2,854.50 Domestic price Cryo Recovery

**Details**

**Detailed Description**

The Cdx2 (caudal type homeobox 2) promoter and neural specific enhancer (NSE) drive expression of Flp recombinase in this transgenic strain. Expression is seen in the spinal cord (neural ectoderm), but not in the brain, skin, or internal organs.

When bred with mice containing an FRT-flanked sequence of interest, Flp-mediated recombination will result in tissue-specific deletion of the FRT-ed region. This strain has been useful in defining the organizational logic of the spinal cord LTMR-RZ and its role in innocuous touch information processing and tactile perception.

**Development**

**Expression Data**

**Control Suggestions**
Genotyping Protocols
MELT: Generic FLpO
MELT: Tg(Cdx2-flpo)2Ddg Alternate2
Genotyping resources and troubleshooting

Breeding Considerations
Hemizygotes are viable and fertile. Viability/fertility of homozygotes is unknown.
Of note, for proper caudal neuroectoderm FLpO recombination, this line needs to be maintained on a background that is at least 50% FVB. This likely reflects the fact that regulatory sequences used to generate this transgenic line were cloned from FVB genomic DNA.

Additional Breeding and Husbandry Support

Mating System
Heterozygous × Noncarrier
Noncarrier × Hemizygote

Citation
When using the Tg(Cdx2-flpo)2Ddg mouse strain in a publication, please cite the originating article(s) and include JAX stock #030288 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.

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<th>Domestic</th>
<th>International</th>
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<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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<tr>
<th>Cryorecovery - Domestic Pricing</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or non carrier for Tg(Cdx2-flpo)2Ddg</td>
<td>$2,854.50</td>
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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.

<table>
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<tr>
<th>Related Products and Services</th>
<th>$2,595.00 per straw or vial</th>
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<td>Frozen Mouse Embryo</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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The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore, we cannot guarantee a strain’s phenotype will meet all expectations.** To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

**Terms Of Use**

**Terms of Use**

**General Terms and Conditions**

**QUESTIONS ABOUT TERMS OF USE**

**Additional Use Restrictions Apply**

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