Overview

Also Known As: CETP

These CETP mice express a transgene containing human CETP mini gene and exhibit an increase of CEPT in the liver and plasma with a high fat diet, and reduced levels of plasma high density lipoprotein.

Donating Investigator
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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**Tg(CETP)5203Tall**

Allele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE
Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

Mice carrying the human CETP minigene under the control of its own promoter show a marked increase in CETP mRNA in liver when mice are fed a high fat, high cholesterol diet. Less dramatic increases are observed in spleen, small intestine and adipose tissues. Elevated plasma CETP protein levels are also observed. Mice carrying human CETP show reduced levels of plasma high density lipoprotein. This strain has been a useful model in studies related to cholesterol metabolism.

Development

Expression Data

Control Suggestions

Selected References
Genotyping Protocols
MELT: Tg(CETP)5203Tall-Alternate 1
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, hemizygous mice may be bred to wildtype (noncarrier) mice from the colony or to C57BL/6J inbred mice. The viability/fertility of homozygotes is not well characterized (see below). The coat color expected from breeding is Black.

In 2002, a small number of homozygous females (as determined by test-crosses) were placed in breeding units with hemizygous males. None of those breeding units produced any offspring.
Additional Breeding and Husbandry Support

Citation
When using the CETP mouse strain in a publication, please cite the originating article(s) and include JAX stock #003904 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.
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>
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<tr>
<th>Product</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>$2,595.00 per straw or vial</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.

**The Jackson Laboratory's Genotype Promise**

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.
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### Related Strains

- **All**
- **By Allele**
- **By Gene**
Leading the search for
TOMORROW'S CURES