Overview

This transgenic strain overexpresses the simian plasma cholesteryl ester transfer protein (CETP). Mice exhibit a negative correlation between plasma CETP activity and total plasma cholesterol, plasma apolipoprotein (apo) A-I levels, and plasma apo A-I to apo B ratio.

Donating Investigator
GENETIC OVERVIEW

Tg(CETP)UCTP20Pnu

Allele Type
Transgenic (Inserted expressed sequence)

RESEARCH APPLICATIONS

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

This transgenic strain overexpresses the simian plasma cholesteryl ester transfer protein (CETP). Homozygous transgenic are viable and fertile. Mice exhibit a negative correlation between plasma CETP activity and total plasma cholesterol, plasma apolipoprotein (apo) A-I levels, and plasma apo A-I to apo B ratio. The size of the apo A-I-containing lipoproteins is significantly reduced in mice with high plasma CETP activity. Transgenic mice on a high-fat, high-cholesterol diet have substantially higher plasma cholesterol and plasma apo B levels and the apo B-containing lipoproteins are generally larger than those in nontransgenic C57BL/6 mice on the same diet.

Expression Data
Control Suggestions
Selected References
Genotyping Protocols
Standard PCR: Tg(CETP)UCTP20Pnu

Breeding Considerations
This strain is maintained by homozygous sibling matings.

Citation
When using the C57BL/6-Tg(CETP)UCTP20Pnu/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #001929 in your Materials and Methods section.

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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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<td>Frozen Mouse Embryo</td>
<td>C57BL/6-Tg(CETP)1Pnu/J Frozen Embryos</td>
<td>$2,595.00</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.

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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains