


## B6;CBA-Tg(APOC3)3707Bres/J

Stock No: 006907 | human apoC-III Tg

 Transgenic

Live mice available in varying quantities. Ask Customer Service for details.

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cholesterol.

### Donating Investigator

Dr. Jan L. Breslow, Rockefeller University

READ MORE +

## GENETIC OVERVIEW

### Genetic Background

### Generation

?+N2pN5  
(2019-08-11 00:00:00)

## Tg(APOC3)3707Bres

### Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

Metabolism Research

Cardiovascular Research

Diabetes and Obesity Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

V I E W   P R I C E   L I S T

### – Details

#### – Detailed Description

Mice hemizygous for this "human apo CIII" transgene are viable and fertile. This high expressor founder line (3703) exhibits transgene expression primarily in the liver with some intestinal expression as well. Hemizygous mice have severe plasma hypertriglyceridemia and significantly increased plasma cholesterol. However, resistance to insulin-mediated glucose uptake or hyperinsulinemia are not observed. This high expressor human apo CIII transgenic strain may be useful in studying lipid metabolism, very low density lipoproteins (VLDL), hypertriglyceridemia, coronary heart disease, and/or atherosclerosis. The Donating Investigator reports that due to a possible transcribing error founder line 3703 (imported by The Jackson Laboratory in 2007) is most likely the published founder line 3707, and that plasma triglyceride levels in founder line 3703 animals were similar to those reported for the 3707 founder line mice.

#### + Development

#### + Expression Data

#### + Control Suggestions

#### + Selected References

### – Genetics

#### + Tg(APOC3)3707Bres

### – Disease/Phenotype

#### + Disease Terms

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- Technical Support](#)

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

Standard PCR:[Tg\(APOC3\)3707Bres](#)

Standard PCR:[Tg\(APOC3\)3707Bres](#)

Probe:[Tg\(APOC3\)3707Bres Probe alt1](#)

[Genotyping resources and troubleshooting](#)

### Dietary Information

LabDiet® 5K52/5K67

### Breeding Considerations

When maintaining a live colony, hemizygous mice are bred to wildtype siblings or to B6CBAF1/J (Stock No. 100011).

[Additional Breeding and Husbandry Support](#)

### Citation

When using the human apoC-III Tg mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #006907 in your Materials and Methods section.

### Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

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## [- Pricing & Availability](#)



Live mice available in varying quantities. Ask Customer Service for details.

Available

**Domestic** **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
4 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
5 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
5 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
6 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
6 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
7 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
7 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
8 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
8 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
9 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
9 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
10 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
10 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
11 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
11 weeks	Female	Noncarrier	\$78.51
	Male	Noncarrier	\$78.51
12 weeks	Female	Hemizygous for Tg(APOC3)3707Bres	\$255.00
	Male	Hemizygous for Tg(APOC3)3707Bres	\$255.00
12 weeks	Female	Noncarrier	\$78.51

SEX

Noncarrier

\$78.51

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6;CBA-Tg(APOC3)3707Bres/J Frozen Embryo

\$2595.00

## 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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## Terms Of Use

### TERMS OF USE

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Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

## Related Strains

All

By Allele

By Gene

By Collection



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