

## B6.Cg-Tg(hAGT)2041Sig/J

Stock No: 002749 | HuAoGen

 Transgenic

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

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renal perfusion pressure.

### Donating Investigator

Dr. Curt Sigmund, University of Iowa College of Medicine

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(hAGT)2041Sig

#### Alele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

## RESEARCH APPLICATIONS

Cardiovascular Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

## Details

### Detailed Description

This strain carries a human angiotensinogen transgene whose expression results in angiotensinogen plasma concentrations 150X that normally found in human plasma. These mice are normotensive but become transiently hypertensive when injected with a bolus of purified renin. A chronically hypertensive mouse can be created by breeding this strain with a strain carrying the human renin transgene (C57BL/6-TgN(hREN)9Sig; 002750). The mean arterial pressure of the double transgenic is ~155 mmHg (controls ~111 mmHg). Both systolic and diastolic blood pressures are elevated.

### Development

### Expression Data

### Control Suggestions

### Selected References

## Genetics

### Tg(hAGT)2041Sig

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

– 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\(hAGT\)2041Sig](#)

Standard PCR:[Tg\(hAGT\)2041Sig/J MCA](#)

[Genotyping resources and troubleshooting](#)

Citation

When using the HuAoGen mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002749 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

*Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)*

– Pricing & Availability



Cryo  
Recovery

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

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Hemizygous or Non carrier for Tg(hAGT)2041Sig	\$2,854.50

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. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

### 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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# TOMORROW'S CURES



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Yes  No