STOCK Tg(CAG-RAB9A)500Repa/J

Stock No: **009678**

Transgenic

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

PLACE ORDER

enhancer). Expression is approximately 30-fold higher than endogenous RAB9 protein in the liver. This mutant mouse strain may be useful in studies of Niemann-Pick, type C (NP-C) disease.

Donating Investigator

Richard E. Pagano, Mayo Clinic College of Medicine

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GENETIC OVERVIEW

Genetic Background **Generation**

Tg(CAG-RAB9A)500Repa

Allele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Mouse/Human Gene Homologs

VIEW ALL RESEARCH APPLICATIO

BASE PRICE

Starting at:

$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

These transgenic mice express HA-tagged human RAB9A, member RAS oncogene family, gene (*RAB9A*) under the control of the CAG promoter (CAGGS, chicken beta actin promoter/enhancer coupled with the cytomegalovirus immediate-early enhancer). Transgene expression is detected in liver, brain, kidney, and skin, and is highest in brain and liver. Expression is approximately 30-fold higher than endogenous RAB9 protein in the liver. Mice that are hemizygous for the targeted mutation are viable, normal in size and do not display any gross physical or behavioral abnormalities. The Donating Investigator has not attempted to make the strain homozygous. This mutant mouse strain may be useful in studies of Niemann-Pick, type C (NP-C) disease.

Double mutant mice that carry this transgene and are homozygous for the *Npc1*^{m1N} allele (see Stock No. 003092) exhibit a less severe phenotype than mice homozygous for the *Npc1*^{m1N} allele. The double mutant mice lose weight as quickly, have reduced ganglioside storage and an increase in longevity.

Importation of this model was supported the National Niemann-Pick Disease Foundation.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(CAG-RAB9A)500Repa

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Genotyping resources and troubleshooting

Breeding Considerations

When maintaining a live colony, these mice can be bred as hemizygotes. The Donating Investigator has not attempted to make the strain homozygous.

Additional Breeding and Husbandry Support

Citation

When using the STOCK Tg(CAG-RAB9A)500Repa/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #009678 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
Cryo Recovery	Hemizygous or Non Carrier for Tg(CAG-RAB9A)500Repa	$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.

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. 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

TERMS OF USE

General Terms and Conditions

QUESTIONS ABOUT TERMS OF USE

ADDITIONAL USE RESTRICTIONS APPLY

Use of MICE by companies or for-profit entities requires a license prior to shipping.

LICENSING INFORMATION

Phone: 207-288-6470
Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection