

B6.FVB-Tg(Ckm-SLC2A4/EGFP)1Samc/J

Stock No: **027496** | HA-GLUT4-GFP

 Congenic, Transgenic

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

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creatinine kinase promoter. This strain may be useful for visualization of GLUT4 trafficking in response to insulin stimulation.

Donating Investigator

Susanna Keller, University of Virginia

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GENETIC OVERVIEW

Genetic Background

Generation

Tg(Ckm-SLC2A4/EGFP)1Samc

Alele Type

Transgenic (Reporter, Inserted expressed sequence, Humanized sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Metabolism Research

Diabetes and Obesity 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

HA-GLUT4-GFP transgenic mice express an HA-tagged human GLUT4-EGFP fusion protein (coding sequence for the human SLC2A4 gene) under the control of the muscle creatinine kinase promoter. Mice homozygous for the transgene are viable and fertile. Transgenic mice overexpress GLUT4 (glucose transporter 4) by approximately 2.2 fold in skeletal muscle. This strain may be useful for visualization of GLUT4 trafficking in response to insulin stimulation.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(Ckm-SLC2A4/EGFP)1Samc

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

+ References

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

Probe: [Fluorescent Proteins \(Generic GFP\)](#)
Standard PCR: [Tg\(Ckm-SLC2A4/EGFP\)1Samc](#)
[Genotyping resources and troubleshooting](#)

Breeding Considerations

While maintaining a live colony, these mice are bred as hemizygotes.

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote
Hemizygote x Noncarrier

Citation

When using the HA-GLUT4-GFP mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #027496 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(Ckm-SLC2A4/EGFP)1Samc	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.FVB-Tg(Ckm-SLC2A4/EGFP)1Samc/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.

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.

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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

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All

By Allele

By Gene

By Collection




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