

B6EiC3Sn a/A-Gy/J

Stock No: 000503 | gyro

 Radiation Induced Mutation

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

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the hypophosphatemia mutation (*Phex^{Hyp}*). Hemizygous males and heterozygous females are characterized by hypophosphatemia, rickets, circling behavior, and inner ear abnormalities. Affected males are also sterile.

GENETIC OVERVIEW

Genetic Background

Generation

a

Alele Type

Spontaneous

Gene Symbol

a

Gene Name

nonagouti

Gy

Alele Type

Radiation induced

Gene Symbol

Gy

Gene Name

gyro deletion region

Marker(s)

Marker Symbol

Phex

Sms

Marker Name

phosphate regulating endopeptidase homolog, X-linked

spermine synthase

VIEW GENETICS

RESEARCH APPLICATIONS

Endocrine Deficiency Research
Neurobiology Research
Sensorineural Research
Mouse/Human Gene Homologs

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

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

Gyro (*Gy*) is an X-linked dominant mutation that causes circling behavior and defects in phosphate metabolism. It is allelic with the hypophosphatemia mutation (*Phex^{Hyp}*). Hemizygous males and heterozygous females are characterized by hypophosphatemia, rickets, circling behavior, and inner ear abnormalities. Affected males are also sterile.

Control Suggestions

Genetics

+ *a*

+ *Gy*

+ *Phex*

+ *Sms*

⊖ 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

[QPCR:Gy-qPCR](#)

[Genotyping resources and troubleshooting](#)

Appearance

black, circling

Related Genotype: *a/a Gy/+*

black, unaffected

Related Genotype: *a/a +/+*

agouti, circling

Related Genotype: *A/? Gy/+*

agouti, unaffected

Related Genotype: *A/? +/+*

Citation

When using the gyro mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000503 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	X linked - Only ship Heterozygous Females and Wild-type males for Gy 1 pair minimum	\$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.

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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

Related Strains

All

By Allele

By Gene

By Collection



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