

B6.129S-Ar^{tm1Rax}/ShahJ

Stock No: **012374**

 Congenic, Targeted Mutation

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

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unobscured by the vast majority of CNS neurons.

Donating Investigator

Nirao Shah, Stanford University

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GENETIC OVERVIEW

Genetic Background

Generation

Ar^{tm1Rax}

Alele Type

Targeted (Reporter)

Gene Symbol

Ar

Gene Name

androgen receptor

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology 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 mutation is on the X chromosome. Homozygous females and hemizygous males are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. These mutant mice possess a reporter cassette, *IRES-PLAP-IRES-nlacZ*, downstream of the stop codon in the 3' UTR of the targeted locus. Nuclear β -galactosidase (β -gal) labels the nuclei of cells expressing AR, whereas human placental alkaline phosphatase (*ALPP* or PLAP) labels the cell membrane of such cells. In neurons expressing AR, these reporters label the nuclei and neuronal processes. These mice may be useful to visualize tissues expressing AR.

Development

Expression Data

Control Suggestions

Selected References

Genetics

A_r^{tm1Rax}

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

Standard PCR:[Ar](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

The AR mutation is on the X chromosome. When maintaining a live colony, homozygous females may be bred with hemizygous males.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6.129S-*Ar^{tm1Rax}*/ShahJ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012374 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 - Heterozygous females and wildtype males for <i>Ar<tm1Rax></i>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6.129S-Ar<tm1Rax>/ShahJ 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

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




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Yes No