

CBACaJ; 129S-*Chrna9*^{tm1Bedv} /J

Stock No: **005696** | alpha9 KO

 Targeted Mutation

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

activation. They are suitable for use in applications related to studies of the inner ear.

Donating Investigator

Douglas Vetter, Tufts University School of Medicine

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Chrna9^{tm1Bedv}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Chrna9

cholinergic receptor, nicotinic, alpha polypeptide 9

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Sensorineural 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

Mice homozygous for the targeted mutation are viable and fertile and have normal balance, movement, cochlear duct morphology, and gross development and position of the olivo-cochlear (OC) bundle. However, most outer hair cells are innervated by one large OC efferent fiber terminal instead of multiple smaller terminals as in wildtype. OC terminal plexus in close apposition to the inner hair somata are absent in homozygotes. Null mice fail to show electrophysiological cochlear responses during efferent fiber activation. This mutant may be suitable for use in studies related to auditory-related studies of the inner ear, including the cochlea, organ of Corti, and hair cells as well as acetylcholine receptor/neurotransmitter or olfactory research.

Development

Control Suggestions

Selected References

Genetics

Chna9^{tm1Bedv}

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: [Chrna9](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, these mice are bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the alpha9 KO mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #005696 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

Domestic Pricing for

- Commercial & For-Profit
- Not-For-Profit & Academic

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
-----------------	-------------	-------

Cryo Recovery

Heterozygous or wildtype for Chrna9<tm1Bedv>

\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

CBACaJ;129S-Chrna9<tm1Bedv>/J Frozen Embryos

\$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.

Terms Of Use

TERMS OF USE

[General Terms and Conditions](#)

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 no-fee JAX Leap License prior to shipping.

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

Related Strains

All

By Allele

By Gene

By Collection



DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

LEARN MORE



CONTACT



DONATE



SUBSCRIBE

JAX HOME CAREERS LEGAL INFORMATION

RESEARCH CENTERS MOUSE GENOME INFORMATICS


MOUSE PHENOME DATABASE

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

^ E E E D B

Did you find what you were looking for?

Yes No