

129S-*Dvl1*^{tm1Awb} /J

Stock No: 007965

 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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be useful in studies of social behavior, sensorimotor gating, and possibly psychiatric disorders.

Donating Investigator

Dr. Anthony Wynshaw-Boris, Case Western Reserve University, School of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

Dvl1^{tm1Awb}

Alele Type

Targeted (Null/Knockout)

Gene Symbol

Dvl1

Gene Name

dishevelled segment polarity protein 1

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 that are homozygous for the targeted mutation are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. No gene product (protein) is detected by Western blot analysis of MEF (mouse embryonic fibroblasts) derived from homozygotes. Homozygotes exhibit diminished social interaction behavior, do not barber or trim whiskers of cagemates, show subordination in social dominance tests, do not sleep huddled together and do not build nests. Although mutants have an attenuated prepulse inhibition of acoustic and tactile startle (sensorimotor gating of the startle reflex), they do not exhibit any deficits in locomotor or cognitive function. This mutant mouse strain may be useful in studies of social behavior, sensorimotor gating, and possibly psychiatric disorders.

Development

Control Suggestions

Selected References

Genetics

Dvl1^{tm1Awb}

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: [Dv1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Citation

When using the 129S-*Dv1^{tm1Awb}* /J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007965 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	Heterozygous for <i>Dv1<tm1Awb></i>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

129S-Dvl1<tm1Awb>/J

\$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

Related Strains

All

By Allele

By Gene

By Collection



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