

129S-*Wls*^{tm1.1Lan}/J
 Stock No: **012888** | *Wls*^l

◆ Coisogenic, 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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upstream of exon 2 of the wntless homolog (*Drosophila*) (*Wls*) gene. This mutant mouse strain is useful to study *Wnt* signaling in any organ or tissue that can be targeted with a Cre recombinase.

Donating Investigator

Richard A. Lang, Cincinnati Children's Hospital

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GENETIC OVERVIEW

Genetic Background

Generation

Wls^{tm1.1Lan}

Alele Type

Targeted (Conditional ready (e.g. floxed), No functional change)

Gene Symbol

Wls

Gene Name

wntless WNT ligand secretion mediator

VIEW GENETICS

RESEARCH APPLICATIONS

Endocrine Deficiency Research
 Developmental Biology Research
 Research Tools

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

These *Wls* floxed mutant mice possess *loxP* site before the ATG start site in the 5' untranslated region of exon 1 and another upstream of exon 2 of the wntless homolog (*Drosophila*) (*Wls*) gene. Mice that are homozygous for this allele are viable, fertile, and normal in size. When these mutant mice are bred to mice that express Cre recombinase, resulting offspring will have exon 1 deleted in *cre*-expressing tissues, abolishing gene function. When bred to a strain expressing Cre recombinase in the germline, homozygotes fail to develop mesoderm and are embryonic lethal by E8.5. When bred to a strain expressing Cre recombinase in pancreatic precursors, the mutant mice develop pancreatic hypoplasia. When bred to a strain expressing Cre recombinase in neural crest cells, the mutant mouse strain has severe brain malformations and exhibit postnatal lethality. This mutant mouse strain is useful to study *Wnt* signaling in any organ or tissue that can be targeted with a Cre recombinase.

Development

Control Suggestions

Selected References

Genetics

Wls^{tm1.1Lan}

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:[WIs](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Citation

When using the [WIs⁺](#) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012888 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 Wls<tm1.1Lan>	\$2,854.50

RELATED PRODUCTS AND SERVICES		
Frozen Mouse Embryo	129S-Wls<tm1.1Lan>/J	\$2595.00

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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

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[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

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