

B6.Cg-Speer6-ps1 *Tg(Alb-cre)21Mgn* /J

Stock No: 003574 | Albumin-Cre

 Congenic, Transgenic

Live mice available in varying quantities. Ask Customer Service for details.

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Also Known As: Albumin-Cre

Alb-cre mice are useful for deletion of *loxP*-flanked genes in the liver.

Donating Investigator

Mark A. Magnuson, Vanderbilt University School of Medicine

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GENETIC OVERVIEW

Genetic Background

Generation

N7+N2F11
(2020-05-08 00:00:00)

Speer6-ps1Tg(Alb-cre)21Mgn

Alele Type

Transgenic (Recombinase-expressing)

V I E W G E N E T I C S

RESEARCH APPLICATIONS

Research Tools

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:

\$270.00 Domestic price for female 4-week

V I E W P R I C E L I S T

Details

Detailed Description

These transgenic mice express Cre recombinase under the control of the mouse albumin enhancer/promoter. The transgene integrated into chromosome 13 causing an 4 bp deletion in *Speer6-ps1* (spermatogenesis associated glutamate (E)-rich protein 6, pseudogene 1). Founder line 1 has a copy number of approximately 10. This strain may be maintained as a hemizygote or homozygote and lacks any phenotype related to the transgenic allele. It has been well characterized and shown to be very efficient for performing liver-specific gene knockouts using Cre/loxP system. This line has been shown to be nearly 100% efficient in achieving liver-specific recombination when crossed with at least five different floxed alleles.

[View](#) cre expression characterization.

Development

Expression Data

Control Suggestions

Selected References

Genetics

[+ Speer6-ps1^{Tg\(Alb-cre\)21Mgn}](#)

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

Probe: [Tg\(Alb-cre\)21Mgn-Chr13 Alternate2](#)

QPCR: [Generic Cre Quantitative PCR](#)

Standard PCR: [Tg\(Alb-cre\)21Mgn-Alternate 1](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

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

[Additional Breeding and Husbandry Support](#)

Mating System

Homozygote x Homozygote

Citation

When using the Albumin-Cre mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003574 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX11 \(Maximum\)](#)

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Live Mouse			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
	Male	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
5 weeks	Female	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
	Male	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
6 weeks	Female	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
	Male	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
7 weeks	Female	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
	Male	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
8 weeks	Female	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00
	Male	Homozygous for Speer6-ps1 ^{Tg(Alb-cre)21Mgn}	\$270.00

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