

B6.129S4-Klf1^{tm1Sho} /J

Stock No: **002949** | EKLF

 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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globin expression in these mice. This strain may serve as a model for the human disease beta-thalassemia.

Donating Investigator

The Jackson Laboratory

GENETIC OVERVIEW

Genetic Background

Generation

Klf1^{tm1Sho}

Allele Type

Targeted (Null/Knockout)

Gene Symbol

Klf1

Gene Name

Kruppel-like factor 1 (erythroid)

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

RESEARCH APPLICATIONS

Hematological Research

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:

\$2,854.50 Domestic price Cryo Recovery

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

Details

Detailed Description

Homozygotes die at embryonic day 15 due to severe anemia during erythropoiesis of the fetal liver. There is a defect in beta-globin expression in these mice. This strain may serve as a model for the human disease beta-thalassemia.

Control Suggestions

Selected References

Genetics

Klf1^{tm1Sho}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony. Mice homozygous for the mutation are not viable.

[Additional Breeding and Husbandry Support](#)

Citation

When using the EKL^F mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002949 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 or Wild-type for Klf1<tm1Sho>	\$2,854.50

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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

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TOMORROW'S CURES



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