

B6;129S1-Map2k4^{tm1Lizon} /J

Stock No: **003666** | SEK1-

 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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signal transduction in liver development.

Donating Investigator

Leonard I. Zon, Children's Hospital

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Map2k4^{tm1Lizon}

Alele Type

Gene Symbol

Gene Name

Targeted (Null/Knockout)

Map2k4

mitogen-activated protein kinase kinase 4

VIEW GENETICS

RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research

Internal/Organ Research

Developmental Biology Research

Cancer Research

Hematological 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 null for the *Map2k4*(SEK1, JNKK, or MKK4) gene exhibit liver abnormalities and suffer lethality before embryonic day 14.5. Histological examination reveals a reduced number of hepatocytes and enlarged, hemorrhaging sinuses. The donating investigator speculates that embryo death results from anemia brought on by massive bleeding. SEK1 is an enzyme in the stress-activated MAP kinase pathway.

+ Control Suggestions

– Genetics

+ *Map2k4*^{tm1Lizon}

– 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

[Genotyping resources and troubleshooting](#)

Appearance

white-bellied agouti

Related Genotype: $A^W/?$

black

Related Genotype: a/a

Citation

When using the SEK1- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003666 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 Map2k4<tm1Liz>	\$2,854.50

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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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