

B6.Cg-*Ifih1*^{tm1.1Cln} /J

Stock No: **015812** | Mda-5-

 Congenic, Targeted Mutation

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

Donating Investigator

Marco Colonna, Washington University School of Medicine

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

N?⁺N1F4

(2019-11-01 00:00:00)

Ifih1^{tm1.1Cln}

Allele Type

Targeted (Null/Knockout)

Gene Symbol

Ifih1

Gene Name

interferon induced with helicase C domain 1

VIEW GENETICS

RESEARCH APPLICATIONS

Cell Biology Research

Immunology, Inflammation and Autoimmunity Research

Virology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$255.00 Domestic price for female 4-week

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

Details

Detailed Description

A targeting vector was designed to delete exon1 and 400 bp of upstream sequence of the interferon induced with helicase C domain 1 *Iffh1* gene in order to abolish gene function. Homozygous mice are viable and fertile.

Iffh1, an intracellular sensor of dsRNA, activates various immune cell types, including NK cells, after viral infection. *Iffh1* detects dsRNAs that penetrate into the cytosol of the cell and transmits signal through accessory cells inducing IFN- α and IFN- β production. Homozygous mutant mice exhibit a decrease in NK cell activation and a decrease in IFN- γ production after treatment with Poly (I:C), an analogue of viral dsRNA. These mice may be useful for studying immune responses to viruses and other pathogens.

Development

Control Suggestions

Selected References

Genetics

Iffh1^{tm1.1Cln}

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:[lfih1](#)

[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 Mda-5- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #015812 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX9 \(Standard\)](#)

Pricing & Availability



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

Available

Domestic International

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE

AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for lfih1 ^{tm1.1Qn}	\$255.00
	Male	Homozygous for lfih1 ^{tm1.1Qn}	\$255.00

5 weeks	SEX	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
6 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
7 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
8 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
9 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
10 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
11 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
12 weeks	Female	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00
	Male	Homozygous for <i>lfih1</i> ^{tm1.1Qn}	\$255.00

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.Cg- <i>lfih1</i> ^{tm1.1Qn} /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.

TERMS OF USE

[General Terms and Conditions](#)

Q U E S T I O N S A B O U T T E R M S O F U S E

ADDITIONAL USE RESTRICTIONS APPLY

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

Related Strains

All

By Allele

By Gene

By Collection







DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

[LEARN MORE](#)



 CONTACT

 DONATE

 SUBSCRIBE

[JAX HOME](#) [CAREERS](#) [LEGAL INFORMATION](#)

[RESEARCH CENTERS](#) [MOUSE GENOME INFORMATICS](#)


[MOUSE PHENOME DATABASE](#)

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

[^](#) [E](#) [E](#) [E](#) [D](#) [B](#)

Did you find what you were looking for?

Yes No