

**B6(Cg)-Crh<sup>tm1(cre)Zjh</sup> /J**

Stock No: **012704** | CRH-ires-CRE

 Targeted Mutation

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

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### Donating Investigator

Z. Josh Huang, Cold Spring Harbor Laboratory

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## GENETIC OVERVIEW

### Genetic Background

### Generation

?+pN2F8  
(2020-04-28 00:00:00)

*Crh<sup>tm1(cre)Zjh</sup>*

### Allele Type

Targeted (Recombinase-expressing)

### Gene Symbol

*Crh*

### Gene Name

corticotropin releasing hormone

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

Neurobiology 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

The CRH-ires-CRE allele harbors an internal ribosome entry site and Cre recombinase in the 3' UTR of the corticotropin releasing hormone locus (*Crh*). As such, *cre* expression is directed by the endogenous *Crh* promoter/enhancer elements. When CRH-ires-CRE mice are bred with mice containing *loxP*-flanked sequences, Cre-mediated recombination will result in deletion of the floxed sequences in the *Crh*-expressing cells in the offspring. *Crh* expression from the CRH-ires-Cre allele has not been evaluated. Additional phenotype information described below.

In 2010, the donating investigator reported Cre recombinase activity is specific and efficient (largely recapitulates the endogenous *Crh* expression pattern with highly efficient recombination). They reported Cre recombinase activity is observed in CRH positive neurons (some interneurons), and may not have examined *cre* expression in tissues other than brain. *Crh* expression from the CRH-ires-Cre allele was not evaluated. They also reported that homozygous mice are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities.

For characterization information, see images at the Allen Institute for Brain Science website ([Crh-IRES-Cre \(ZJH\) images](#)).

If the recombinase activity pattern of this allele is further characterized by the Genetic Resource Science group at The Jackson Laboratory, such findings will be reported on the Mouse Genome Informatics (MGI) Allele Detail entry ([Crh<sup>tm1\(cre\)Zjh</sup>](#)). This same information would also be found searching the [MGI Recombinase Activity](#) database.

It is the experience of The Jackson Laboratory that sparse hair on the hind end is typical for homozygous mice at wean age, but it fully grows back in 3-4 weeks. [October 2018]

#### Development

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

#### [Crh<sup>tm1\(cre\)Zjh</sup>](#)

## – Disease/Phenotype

+ [Disease Terms](#)

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+ [Research Areas By Phenotype](#)

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+ [Mammalian Phenotype Terms by Genotype](#)

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+ [References](#)

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## – 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:[Gt\(rosa\)26sor Probe](#)

Standard PCR:[Crh](#)

Standard PCR:[Crh](#)

[Genotyping resources and troubleshooting](#)

### Dietary Information

LabDiet® 5K52 formulation (6% fat)

### Breeding Considerations

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

It is the experience of The Jackson Laboratory that sparse hair on the hind end is typical for homozygous mice at wean age, but it fully grows back in 3-4 weeks. [October 2018]

### [Additional Breeding and Husbandry Support](#)

#### Mating System

Homozygote x Homozygote

#### Appearance

It is the experience of The Jackson Laboratory that sparse hair on the hind end is typical for homozygous mice at wean age, but it fully grows back in 3-4 weeks. [October 2018]

#### Citation

When using the CRH-ires-CRE mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012704 in your Materials and Methods section.

### Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

## – 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 Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
5 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
6 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
7 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
8 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
9 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
10 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
11 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
12 weeks	Female	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00
	Male	Homozygous for Crh <sup>tm1(cre)Zjh</sup>	\$255.00

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6(Cg)-Crh <sup>tm1(cre)Zjh</sup> /J Frozen Embryo	\$2595.00
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