



STOCK *Cck^{fl1.1(cre)Zjh}* / J

Stock No: 012706 | CCK-ires-Cre

Targeted Mutation



AVAILABLE

PLACE ORDER

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

Overview

Also Known As: CCK-ires-Cre

The Cck-IRES-Cre knock-in allele has an internal ribosome entry site and Cre recombinase in the 3' UTR of the cholecystokinin locus (*Cck*). As such, Cre recombinase expression is directed to *Cck*-expressing cells (cholecystokinin positive neurons) by the endogenous promoter/enhancer elements of the cholecystokinin locus.

Donating Investigator

Z. Josh Huang, Cold Spring Harbor Laboratory

READ MORE +

GENETIC OVERVIEW

Genetic Background Generation
F?+F19
(2019-03-18 00:00:00)

Cck^{tm1.1(cre)Zjh}

Allele Type	Gene Symbol	Gene Name
Targeted (Recombinase-expressing)	<i>Cck</i>	cholecystokinin

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

RESEARCH APPLICATIONS

Research Tools
Neurobiology 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:

\$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 *Cck*-IRES-Cre allele harbors an internal ribosome entry site and Cre recombinase in the 3' UTR of the cholecystokinin locus (*Cck*). As such, *cre* expression is directed by the endogenous *Cck* promoter/enhancer elements. When *Cck*-IRES-Cre mice are bred with mice containing *loxP*-flanked sequences, Cre-mediated recombination will result in deletion of the floxed sequences in the *Cck*-expressing cells in the offspring. *Cck* expression from the *Cck*-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 *Cck* expression pattern with highly efficient recombination). They report Cre recombinase activity is observed in cholecystokinin positive neurons (interneurons) of the cortex. The donating investigator did not examine *cre* expression in tissues other than brain (October 2012). *Cck* expression from the *Cck*-IRES-Cre allele was not evaluated. They also reported that homozygous mice are viable and fertile.

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

If the recombinase activity pattern of this allele is further characterized by the Genetic Resource Science group at The Jackson [Laboratory](#)

Laboratory, such findings will be reported on the Mouse Genome Informatics (MGI) Allele Detail entry ([Cck^{tm1.1\(cre\)Zjh}](#)). This same information would also be found searching the [MGI Recombinase Activity](#) database.

[+ Development](#)

[+ Expression Data](#)

[+ Control Suggestions](#)

[+ Selected References](#)

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C H A T O  F L I N E

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: [Cck^{tm1.1\(cre\)Zjh}](#)

Standard PCR: [Cck^{tm1.1\(cre\)Zjh}](#)

[Genotyping resources and troubleshooting](#)

Dietary Information

LabDiet® 5K52 formulation (6% fat)

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 [Cck^{tm1.1\(cre\)Zjh}](#) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012706 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX10 \(Standard\)](#)

➔ Pricing & Availability



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Available

Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
5 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
6 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
7 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
8 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
9 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
10 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
11 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
12 weeks	Female	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00
	Male	Homozygous for Cck ^{tm1.1(cre)Zjh}	\$255.00

Related Products and Services

Frozen Mouse Embryo	STOCK Cck<tm1.1(cre)Zjh>/J Frozen Embryo	\$2595.00
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