

**B6;129-*Igs1*<sup>tm10(CAG-Bgeo,-Fzd6)Nat</sup>/J**

Stock No: **023844**

 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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Following *cre*-mediated recombination, the NLS-beta-geo coding region is excised and the downstream triple HA epitope (3HA) tagged *Fzd6* (frizzled homolog 6 (Drosophila)) coding region is expressed.

### Donating Investigator

Jeremy Nathans, Johns Hopkins University

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## GENETIC OVERVIEW

Genetic Background      Generation

*Igs1*<sup>tm10(CAG-Bgeo,-Fzd6)Nat</sup>

Alele Type	Gene Symbol	Gene Name
Targeted (Conditional ready (e.g. floxed), Inserted expressed sequence, No functional change)	<i>Igs1</i>	intergenic site 1

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

Developmental Biology 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

This knock-in, 2 kb 5' of the Ubb (ubiquitin B) gene, gives constitutive expression of a nuclear-localized beta-galactosidase/neomycin resistance protein reporter (NLS-beta-geo) in the absence of cre-mediated recombination. Following cre-mediated recombination, the NLS-beta-geo coding region is excised and the downstream triple HA epitope (3HA) tagged *Fzd6* (frizzled homolog 6 (Drosophila)) coding region is expressed. This reporter can be activated by cre recombinase in any cell in the body at any time in development. The result is target gene recombination. Following cre-recombination, the triple HA epitope tagged *Fzd6* can rescue the *Fzd6* knockout hair patterning phenotype (see Stock No. 012824).

#### Development

#### Expression Data

#### Control Suggestions

### Genetics

#### *Igs1<sup>tm10</sup>(CAG-Bgeo,-Fzd6)Nat*

### Disease/Phenotype

#### Disease Terms

[+ Research Areas By Phenotype](#)

[+ Mammalian Phenotype Terms by Genotype](#)

[+ References](#)

## [- Technical Support](#)

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Separated PCR:[Iis1-Alt 1](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

Heterozygotes are viable and fertile, but homozygotes are unhealthy.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the B6;129-Igs1<sup>tm10(CAG-Bgeo,-Fzd6)Nat</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #023844 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

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6;129-Igs1 $^{tm10(CAG-Bgeo,-Fzd6)Nat}$ /J Frozen Embryo

\$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](#)

## TERMS OF USE

[General Terms and Conditions](#)

QUESTIONS ABOUT TERMS OF USE

## 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](mailto:TechTran@jax.org)[Related Strains](#)

All

By Allele

By Gene

By Collection



## DO YOU NEED BALB/c MICE?

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