

B6C3F1/JStock No: **100010** F1 Or F2 Hybrid

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These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6J females (B6) and C3H/HeJ males (C3). Uses include hybrid vigor, as a background for deleterious mutations, to create or enhance expression of polygenic diseases, to determine the mode of inheritance, and to provide physiological buffering (present a broader array of responses to various stresses).

[R E A D M O R E +](#)

GENETIC OVERVIEW

Genetic Background**Generation**[V I E W G E N E T I C S](#)

RESEARCH APPLICATIONS

Research Tools

[VIEW ALL RESEARCH APPLICATIONS](#)

BASE PRICE

Starting at:

\$26.54 Domestic price for male 3-week

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Details

Detailed Description

These F1 (first filial generation) hybrid mice are the offspring of a cross between C57BL/6J females (B6) and C3H/HeJ males (C3). F1 hybrid mice are heterozygous at all loci (assuming the parental strains have different alleles), and like inbred mice they are genetically and phenotypically uniform. F1 hybrids are often used for hybrid vigor, as a background for some deleterious mutations, for tissue transplantation, to determine the mode of inheritance, to create or enhance expression of polygenic diseases, and to provide physiological buffering (present a broader array of responses to various stresses).

Development

Genetics

Currently there are no related genes or alleles for this strain.

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

+ Phenotype Information

+ 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](#)

Hybrid mice are produced from breeding two different inbred strains together (F1) or the breeding of hybrids together (F2); no genotyping required.

Dietary Information

LabDiet® 5K52 formulation (6% fat)

Breeding Considerations

[This strain is an exceptional breeder.](#)

[Additional Breeding and Husbandry Support](#)

Appearance

agouti

Related Genotype: *A/a Pde6b^{rd1} /+*

Citation

When using the B6C3F1/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #100010 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX28 \(Maximum\)](#)

 [AX27 \(Maximum\)](#)

- Pricing & Availability



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Available

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AGE	SEX		PRICE
3 weeks	Female		\$28.19
	Male		\$26.54
4 weeks	Female		\$28.19
	Male		\$26.54
5 weeks	Female		\$28.19
	Male		\$27.96
6 weeks	Female		\$31.33
	Male		\$30.27
7 weeks	Female		\$34.86
	Male		\$34.48
8 weeks	Female		\$36.74
	Male		\$36.67
9 weeks	Female		\$39.38
	Male		\$39.91
10 weeks	Female		\$44.17
	Male		\$42.48

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By Allele

By Gene

By Collection

All Related Strains



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