

CBACa.C3-Kit^{W-x}/J

Stock No: **000965** | dominant spotting x

 Congenic

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phenotype of mutants at this locus, which includes white coat color, sterility, and anemia, can be attributed to the failure of stem cell populations to migrate and/or proliferate effectively during development. The region encoding amino acids 342 to 791 is disrupted in the *Kit*^{W-x} mutation.

GENETIC OVERVIEW

Genetic Background

Generation

000654 CBA/CaJ

Kit^{W-x}

Alele Type

Gene Symbol

Gene Name

Spontaneous

Kit

KIT proto-oncogene receptor tyrosine kinase

[VIEW GENETICS](#)

RESEARCH APPLICATIONS

- Cancer Research
- Dermatology Research
- Developmental Biology Research
- Endocrine Deficiency Research
- Reproductive Biology Research
- Mouse/Human Gene Homologs
- Research Tools
- Immunology, Inflammation and Autoimmunity 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

Kit^W mutations in the mouse have pleiotropic effects on embryonic development and hematopoiesis. The characteristic phenotype of mutants at this locus, which includes white coat color, sterility, and anemia, can be attributed to the failure of stem cell populations to migrate and/or proliferate effectively during development. The region encoding amino acids 342 to 791 is disrupted in the *Kit^{W-x}* mutation.

Development

Control Suggestions

Genetics

Kit^{W-x}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

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](#)

Citation

When using the dominant spotting x mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000965 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
Cryo Recovery	Heterozygous or Wild-type for Kit ^{W-x}	\$2,854.50

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

LICENSING INFORMATION

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