

C57BL/6NJ-Crb1^{rd8+em1Mvw}/MvwJ

Stock No: **022521** | Crb1^{cor}

◆ Coisogenic, Revertant, 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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nuclease-mediated correction (*emv1Mvw*) do not exhibit either ELM fragmentation or outer retinal dysplasia. This strain may be useful for ocular phenotyping efforts requiring the C57BL/6N background

Donating Investigator

Wiles Michael, The Jackson Laboratory

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GENETIC OVERVIEW

Genetic Background Generation

Crb1^{rd8+em1Mvw}

Alele Type	Gene Symbol	Gene Name
Endonuclease-mediated	<i>Crb1</i>	crumbs family member 1, photoreceptor morphogenesis associated

VIEW GENETICS

RESEARCH APPLICATIONS

Sensorineural 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

The recessive mutation retinal degeneration 8 (*rd8*) is a strain characteristic of C57BL/6N-derived strains. Mice homozygous for the *rd8* allele exhibit retinal external limiting membrane (ELM) fragmentation and outer retinal dysplasia. In this mouse, the *rd8* mutation is corrected using TALEN-mediated homology-directed repair. Mice carrying the nuclease-mediated correction (*emv1Mvw*) do not exhibit either ELM fragmentation or outer retinal dysplasia. This strain may be useful for ocular phenotyping efforts requiring the C57BL/6N background.

Development

Control Suggestions

Selected References

Genetics

Crb1^{rd8+em1Mvw}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

- 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

End Point Analysis:[Crb1-Alternate 2](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

While maintaining a live colony, these mice are bred as homozygotes.

[Additional Breeding and Husbandry Support](#)

Citation

When using the Crb1^{cor} mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #022521 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 for Crb1<rd8+em1Mw>/	\$2,854.50

RELATED PRODUCTS AND SERVICES

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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.

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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

ADDITIONAL USE RESTRICTIONS APPLY

MICE ARE NOT AVAILABLE FOR DISTRIBUTION TO CONTRACT RESEARCH ORGANIZATIONS

[Notice regarding distribution of this strain.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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