

**B6;129-Crb1<sup>rd8</sup>/J**Stock No: **004852** | retinal degeneration 8 **Chemically Induced Mutation**

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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*The Jackson Laboratory cannot guarantee that cryorecovery of strains from the discontinued NIH-funded Neuroscience Mutagenesis Facility (NMF) will be successful or that the anticipated phenotype or genotype will be obtained. The cryorecovery fee for this effort will not be refunded or prorated if the recovery is unsuccessful or is in any way unsatisfactory. Genotyping will be the responsibility of the Purchaser.*

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## GENETIC OVERVIEW

**Genetic Background****Generation**

000664 C57BL/6J

### *Crb1<sup>rd8</sup>*

**Alele Type****Gene Symbol****Gene Name**

Spontaneous

*Crb1*

crumbs family member 1, photoreceptor morphogenesis associated

[VIEW GENETICS](#)

## RESEARCH APPLICATIONS

Neurobiology Research  
Developmental Biology Research  
Sensorineural Research  
Cell Biology Research  
Mouse/Human Gene Homologs

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## 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

Routine ophthalmoscopic examination at 8 weeks of age revealed retinal spots predominantly in the inferior medial quadrant of the fundus, similar to those observed in *Crb1<sup>rd8</sup>* mutants. The results of subsequent complementation tests and sequence analyses showed that these mutants represent the same mutation as *rd8*, an allele of *Crb1*, although the phenotypic expression observed in NMF144 is milder than that observed in *Crb1<sup>rd8</sup>* mutants. Male or female mutants have been produced; the mice are fertile, and a colony can be maintained through regular breeding.

Standard pathology work-up on two mutants (69 or 109 days of age) showed bilateral retinal dysplasia in the older mutant and unilateral retinal dysplasia in the younger mutant.

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#### + Development

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#### + Control Suggestions

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#### + Selected References

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### – Genetics

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#### + *Crb1<sup>rd8</sup>*

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### – 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

End Point Analysis:[Crb1 End Point](#)

[Genotyping resources and troubleshooting](#)

### Citation

When using the retinal degeneration 8 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #004852 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
<a href="#">Cryo Recovery</a>	Unknown for Crb1<rd8>	\$2,854.50

## 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.

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### Terms Of Use

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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

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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