


**B6.Cg-Cln6<sup>nclf</sup>/J**  
Stock No: **003605** | nclf  
 Congenic

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

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progressive retinal degeneration at an early age.

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## GENETIC OVERVIEW

Genetic Background

Generation

*Cln6<sup>nclf</sup>*

Alele Type

Gene Symbol

Gene Name

Spontaneous

*Cln6*

ceroid-lipofuscinosis, neuronal 6

VIEW GENETICS

## RESEARCH APPLICATIONS

Neurobiology Research  
Sensorineural Research

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

## Details

### Detailed Description

Mice homozygous for the neuronal ceroid lipofuscinosis mutation (*nclf*) have a phenotype that is very similar to mice homozygous for the motor neuron degeneration mutation (*mnd*). Homozygous mutant mice display abnormal proteolipid storage by lysosomes termed neuronal ceroid lipofuscinosis. Mice also develop progressive retinal degeneration at an early age. Affected neuronal lysosomes show abnormal morphology. Severe cerebral gliosis and Wallerian degeneration of long neuronal tracts occur late in the disease and account for the motor neuron abnormalities and eventual paralysis. Homozygotes live to approximately 9 months of age.

### Development

### Control Suggestions

## Genetics

### *Cln6<sup>nclf</sup>*

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Sanger sequencing: [Cln6](#)

[Genotyping resources and troubleshooting](#)

#### Appearance

black

Related Genotype: *a/a*

#### Citation

When using the nclf mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003605 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>	Heterozygous for Cln6<nclf>	\$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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### LICENSING INFORMATION

Phone: 207-288-6470

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

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All

By Allele

By Gene

By Collection





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*Leading the search for*

# TOMORROW'S CURES



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