



C57BL/6J-Nek8 jck /J

Stock No: 002561 | juvenile cystic kidney

Spontaneous Mutation

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

PLACE ORDER

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These mice carry the *Nek8* spontaneous mutation characterized by polycystic kidney disease.

READ MORE +

GENETIC OVERVIEW

Genetic Background Generation

Nek8jck

Allele Type Gene Symbol Gene Name

Spontaneous NIMA (never in mitosis gene a)-related expressed kinase 8

VIEW GENETICS

RESEARCH APPLICATIONS

Internal/Organ Research Developmental Biology Research

VIEW ALL RESEARCH APPLICATIOI

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

•	Details
•	Detailed Description
day cys age Ho fert	ce homozygous for the <i>Nek8</i> mutation develop polycystic kidney disease. Histology revealed that the kidneys of some 3 y old pups from heterozygous parents had small isolated cysts lined by cuboidal epithelial cells, and 15 day old pups had sts lined by flattened epithelia. Disease is progressive but not evident by kidney palpation until at least 4 to 5 weeks of e. Homozygotes generally remain active until shortly before death and usually die between 20 and 25 weeks of age. mozygous females are fertile but do not consistently care for their litters; homozygous males are fertile but decreased tility is reported after 15 weeks of age. No histologic abnormalities were found in the liver, spleen, or pancreas. (Atala et 1993)
0	Control Suggestions
•	Selected References
•	Genetics
•	Nek8 ^{ick}
•	Disease/Phenotype
0	Disease Terms
0	Research Areas By Phenotype
0	Mammalian Phenotype Terms by Genotype
0	References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Restriction Enzyme Digest:Nek8
Sanger sequencing:Nek8
End Point Analysis:Nek8-EP
Genotyping resources and troubleshooting

Mating System
Heterozygote x Wild-type
Wild-type x Heterozygote
Appearance
black

Related Genotype: a/a

Citation

When using the juvenile cystic kidney mouse strain in a publication, please cite the originating article(s) and include JAX stock #002561 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.

Heterozygous or wildtype for Nek8<jck>

Domestic Internation

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT DESCRIPTION

\$2,854.50

PRICE

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.

Terms Of Use

TERMS OF USE

General Terms and Conditions

QUESTIONS ABOUT TERMS OF USE

LICENSING INFORMATION

Phone: 207-288-6470 Email: TechTran@jax.org

Related Strains

All		
By Allele		
By Gene		
By Collection		

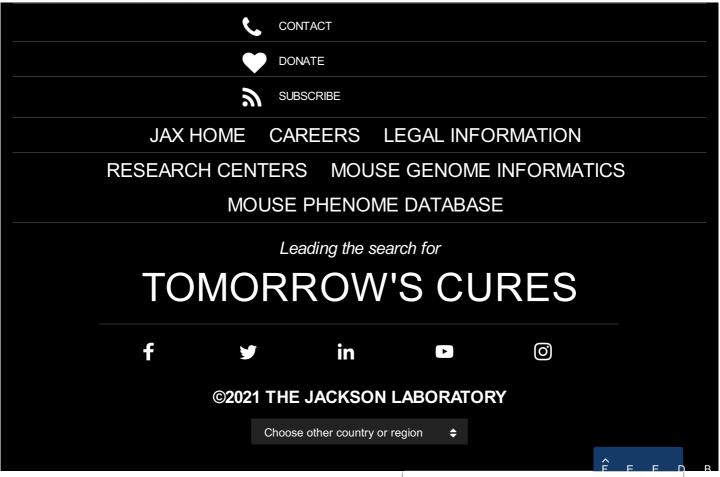


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The Jackson Laboratory

Rely on JAX to provide the models you need, when you need them.



Did you find what you were looking for?

o Yes o No