

B6N.129S1(Cg)-*Tnks*^{tm1.1Yjc} /JStock No: **009685** | TANK1 knock-out (TANK1-) **Congenic, 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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studying the post-translational modification of proteins. These TANK1-mutant mice may be used in conjunction with TANK2-mutant mice (Stock No. [006200](#)).

Donating Investigator

Richard J Hodes, NCI/NIH

[READ MORE +](#)**GENETIC OVERVIEW****Genetic Background****Generation***Tnks*^{tm1.1Yjc}**Allele Type**

Targeted (Null/Knockout)

Gene Symbol*Tnks***Gene Name**

tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase

[VIEW GENETICS](#)**RESEARCH APPLICATIONS**

Research Tools

Developmental Biology Research

Cell Biology Research

Cancer Research

Apoptosis Research

Diabetes and Obesity 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

Homozygous ($TANK1^{-/-}$) mice are viable and fertile with no reported developmental or gross physical abnormalities. As exon 1 is deleted from the targeted allele, no full length protein (TANK1) is detected in thymus, testis or spleen tissues. Because the deletion does not encompass the potential alternative promoter between exons 4-5, an alternative transcript and subsequent low molecular weight protein (TANK1a) is expressed in testis (but not in other assayed tissues). These TANK1-mutant mice may be useful for studying the post-translational modification of proteins associated with cell cycle, mitosis, telomere length maintenance/aging, DNA replication/repair, cellular senescence, apoptosis, tumorigenesis, vesicle trafficking, and insulin responses. These TANK1-mutant mice may also be used along with TANK2-mutant mice (Stock No. 006200).

Development

Control Suggestions

Genetics

$Tnks^{tm1.1Yjc}$

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

Separated PCR: [Tnksalternate1](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, homozygous mice may be bred together.

[Additional Breeding and Husbandry Support](#)

Citation

When using the TANK1 knock-out (TANK1-) mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #009685 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

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

B6N.129S1(Cg)-Tnks<tm1.1Yjc>/J Frozen Embryo

\$2595.00

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

ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org[Related Strains](#)

All

By Allele

By Gene

By Collection



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