


B6;129P2-*Tardbp*^{Gt(RRB030)Byg}/J

Stock No: **012850**

 Gene Trap

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

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expression in neurodegenerative disorders.

Donating Investigator

Gang Yu, University of Texas Southwestern Medical Center at Dallas

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

Tardbp^{Gt(RRB030)Byg}

Alele Type

Gene trapped (Reporter, Null/Knockout)

Gene Symbol

Tardbp

Gene Name

TAR DNA binding protein

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Developmental Biology 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

Tardbp^{+/-} mice contain a gene trap targeting vector which inserts a β -geo fusion protein into intron 2 of the endogenous TAR DNA-binding Protein 43 (*Tardbp*) gene, abolishing gene function. Heterozygous mice are viable, fertile, and normal in size, while homozygous mice die between E3.5 and E8.5. *lacZ* expression in heterozygous embryos at E9.5 is restricted to neuroepithelium and is prominent in all neural progenitors from E10.5-12.5. By E12.5 expression is seen in spinal cord progenitors, in differentiated motor neurons, and in the dorsal root ganglia. Adult *Tardbp*^{+/-} mice show widespread expression in various regions of the central nervous system. These mice may be useful as a *lacZ* reporter for *Tardbp* expression in neurodegenerative disorders.

Development

Control Suggestions

Selected References

Genetics

Tardbp^{Gt(RRB030)Byg}

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

Standard PCR: [Generic LacZ Melt Curve Analysis](#)

Probe: [Generic LacZ Probe](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a colony, heterozygous mice may be bred to wildtype mice from the colony. Homozygous mice are embryonic lethal between E3.5 and E8.5.

[Additional Breeding and Husbandry Support](#)

Citation

When using the B6;129P2-*Tardbp*^{Gt(RRB030)Byg}/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #012850 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

B6;129P2-Tardbp<Gt(RRB030)Byg>/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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Yes No