

B6.Cg-Gt(ROSA)26Sor^{tm38(H1/tetO-RNAi:Htt)Arte}/ChdiJ

Stock No: 027436 | B6.Hdh RNAiTT ; Hdh (CHD-032) ; CHDI-81002002

 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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and is driven by the H1 RNA polymerase III promoter within the endogenous mouse *Gt(ROSA)26Sor* locus. These mice allow Tet-inducible/controllable Htt knock-down, and are useful for studying Huntington's disease.

Donating Investigator

Dr. David Howland, CHDI Foundation

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GENETIC OVERVIEW

Genetic Background

Generation

Gt(ROSA)26Sor^{tm38(H1/tetO-RNAi:Htt)Arte}

Alele Type

Targeted (Inducible, RMCE-ready, Knockdown)

Gene Symbol

Gt(ROSA)26Sor

Gene Name

gene trap ROSA 26, Philippe Soriano

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

[VIEW PRICE LIST](#)

Details

Detailed Description

Stock No. 027436 was formerly associated with CHDI Foundation colony Stock No. 370535 [CHDI-81002002].

Huntington's disease (HD) is an autosomally dominant, fatal neurodegenerative disorder characterized by uncontrolled movements, psychiatric disturbances and cognitive impairment. HD is caused by an unstable trinucleotide (polyglutamine) repeat expansion in the huntingtin gene (*HTT*; HD or Hdh).

The Hdh RNAiTT targeted mutation allows tetracycline-inducible, huntingtin-specific short hair pin RNA (shRNA) expression, and is driven by the H1 RNA polymerase III promoter within the endogenous mouse *Gt(ROSA)26Sor* locus. These mice allow Tet-inducible/controllable Htt knock-down. Heterozygous mice are expected to be viable and fertile. The phenotype of these mice is not further characterized to date (August 2015).

This Huntington's disease mouse model is available by way of a collaborative effort between CHDI Foundation, Taconic Artemis and The Jackson Laboratory.

Development

Control Suggestions

Genetics

Gt(ROSA)26Sor^{tm38(H1/tetO-RNAi:Htt)Arte}

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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony. To date (August 2015), it has not been attempted to make this strain homozygous.

[Additional Breeding and Husbandry Support](#)

Mating System

Wild-type x Heterozygote

Heterozygote x Wild-type

Citation

When using the B6.Hdh RNAiTT ; Hdh (CHD-032) ; CHDI-81002002 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #027436 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.

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
Cryo Recovery	Heterozygous or wildtype for Gt(ROSA)26Sor<tm38(H1/tetO-RNAi:Htt)Arte>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B6.Cg-Gt(ROSA)26Sor<tm38(H1/tetO-RNAi:Htt)Arte>/Chd1J	\$2595.00
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