

**B6.Cg-*Htt*<sup>tm1(HTT)Arte</sup>/ChdiJ**

Stock No: **027435** | B6.Hd(HD\_1000aa) KI; HQ0022-HD 1000(aa)TT ;  
 CHDI-81003009

 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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amino acids (with 143 mixed CAG-CAG repeats) replacing a partial promoter region and exon 1 of the endogenous *Htt* locus. These mice may be useful for studying Huntington's disease.

Donating Investigator

Dr. David Howland, CHDI Foundation

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### GENETIC OVERVIEW

Genetic Background	Generation	
<i>Htt</i> <sup>tm1(HTT)Arte</sup>		
Alele Type	Gene Symbol	Gene Name
Targeted (Null/Knockout, Inserted expressed sequence)	<i>Htt</i>	huntingtin

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research  
 Research Tools

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

Stock No. 027435 was formerly associated with CHDI Foundation colony Stock No. 370266 [CHDI-81003009].

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 Hd(HD\_1000aa) KI targeted mutation has a CAG promoter and human huntingtin fragment encoding the first 1000 amino acids (with 145 mixed CAA-CAG repeats [see polyQ assay note below]) replacing a partial promoter region and exon 1 of the endogenous *Htt* locus. Endogenous *Htt* gene expression is disrupted. Heterozygous mice are expected to be viable and fertile. The phenotype of these mice is not further characterized to date (August 2015).

Important note on polyQ assay: the polyQ repeat assay shows heterozygous mice maintain a stable 141 polyQ repeat length.

*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

#### *Htt*<sup>tm1(HTT)Arte</sup>

## ⊖ Disease/Phenotype

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## ⊖ 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:[Laragen](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

When maintaining a live colony, heterozygous mice may be bred to wildtype mice from the colony or to C57BL/6J inbred mice (Stock No. [000664](#)). To date (August 2015), it has not been attempted to make this strain homozygous.

[Additional Breeding and Husbandry Support](#)

### Mating System

Heterozygote x Wild-type

Wild-type x Heterozygote

### Citation

When using the B6.Hd(HD\_1000aa) KI ; HQ0022-HD 1000(aa)TT ; CHDI-81003009 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #027435 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



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

## DomesticInternational

Pricing effective for USA, Canada and Mexico shipping destinations

### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or wildtype for Htt<tm1(HTT)Arte>	\$2,854.50

### RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	B6.Cg-Htt<tm1(HTT)Arte>/ChdiJ Frozen Embryo	\$2595.00
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