BTBR T·Itpr3<sup>−/−</sup>/J

Stock No: 002282 | BTBR

Inbred Strain

AVAILABLE NOW

PLACE ORDER

Sized to accommodate orders of up to 50 or more. Ask Customer Service for details.

Also Known As: BTBR

This strain is used in studies of autism because it exhibits several symptoms of autism including: reduced social interactions, impaired play, unusual vocalizations as compared to other inbred strains. BTBR mice exhibit a 100% absence of the corpus callosum and a severely reduced hippocampal commissure.

READ MORE +

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
</table>

Contact Technical Support
(2018-07-27 00:00:00)

VIEW GENETICS
RESEARCH APPLICATIONS
Dermatology Research
Neurobiology Research
Developmental Biology Research

BASE PRICE
Starting at:
$107.12 Domestic price for female 3-week

VIEW ALL RESEARCH APPLICATIONS

Details

Detailed Description
BTBR mice exhibit a 100% absence of the corpus callosum and a severely reduced hippocampal commissure (Wahilstien D, 2003 Brain Res). This strain exhibits several symptoms of autism including: reduced social interactions, impaired play, low exploratory behavior, unusual vocalizations and high anxiety as compared to other inbred strains (McFarlane HG, 2008, Gen, Brain Behav: Moy SS, 2007, Behav Br Res, Scattoni ML., 2008, P.Los).

Development

Selected References

Genetics

Disc1<sup>del</sup>

T<sup>+</sup>

Itp3<sup>fl</sup>

Cox7a2<sup>fl</sup>

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype
Genotyping Protocols
End Point Analysis: Ipr3^tf/End Point
Genotyping resources and troubleshooting
Inbred mouse strains are maintained through sibling (sister x brother) matings; no genotyping required.

Dietary Information
LabDiet® 5K52 formulation (6% fat)

Breeding Considerations
This strain is an exceptional breeder.
Additional Breeding and Husbandry Support

Mating System
Sibling x Sibling

Appearance
black and tan, tufted
Related Genotype: a^l/a^l T^+/T^+ Ipr3^tf/Ipr3^tf

Citation
Animal Health Reports
When using the BTBR mouse strain in a publication, please include JAX stock #002282 in your Materials and Methods section.
Facility Barrier Level Descriptions
AX8 (Standard)

Pricing & Availability

Sized to accommodate orders of up to 50 or more. Ask Customer Service for details.

Available Now

<table>
<thead>
<tr>
<th>Domestic</th>
<th>International</th>
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<tbody>
<tr>
<td>Live Mouse</td>
<td>Pricing effective for USA, Canada and Mexico shipping destinations</td>
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