B6;129S-Oxt<sup>tm1Wsy/J</sup>

**Stock No:** 002713 | OT-

Targeted Mutation

CRYO RECOVERY

PLACE ORDER

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

**Also Known As:** OT-

Female Oxt knock-out mice exhibit defective lactation.

**Donating Investigator**

Dr. W. Scott Young III, National Institute of Mental Health

READ MORE +

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td><strong>Oxt&lt;sup&gt;tm1Wsy&lt;/sup&gt;</strong></td>
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</table>

**Allele Type**  | **Gene Symbol** | **Gene Name**  
Targeted (Null/Knockout) | Oxt | oxytocin |

VIEW GENETICS

**RESEARCH APPLICATIONS**

Cancer Research  
Endocrine Deficiency Research  
Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

**BASE PRICE**

Starting at: $2,295.00 Domestic price Cryo Recovery
Details

Detailed Description
Mice homozygous for the Otx\textsuperscript{1m}\textsuperscript{1w} targeted mutation are viable and fertile. Females are able to successfully mate, deliver and produce milk however milk injection is impaired. Pups do not successfully suckle and must be fostered to survive. Oxytocin injection restores milk injection in response to suckling. Homozygotes displayed reduced aggressive behavior relative to heterozygotes and wild-type mice.

Development

Control Suggestions

Selected References

Genetics

Otx\textsuperscript{1m}\textsuperscript{1w}

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols
Melt Curve Analysis: Otx\textsuperscript{1m}\textsuperscript{1w}
Standard PCR: Otx\textsuperscript{1m}\textsuperscript{1w}
Genotyping resources and troubleshooting
Breeding Considerations
This strain is maintained by heterozygous sibling matings. Expected coat color from breeding: Black, White Belly Agouti

Additional Breeding and Husbandry Support

Citation
When using the JAX mouse strain in a publication, please cite the originating article(s) and include JAX stock #002713 in your Materials and Methods section.

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

<table>
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<tr>
<th>Cryorecovery - Domestic Pricing</th>
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<tbody>
<tr>
<td>SERVICE</td>
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<tr>
<td>Cryo Recovery</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

<table>
<thead>
<tr>
<th>Related Products and Services</th>
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</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
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</tbody>
</table>

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.

Terms Of Use

Terms Of Use

General Terms and Conditions

Licensing Information
Phone: 207-288-6470
Email: TechTran@jax.org

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains

ELLSWORTH FACILITY OFFICIALLY OPEN AND OPERATIONAL
Shipments have begun at our new facility, allowing increased access to JAX mouse models.