Overview

Also Known As: Esrra KO

Esrra (estrogen related receptor, alpha) female KO mice exhibit a reduced operant response to high fat diet, reduced locomotion, compulsivity/behavioral rigidity and social deficits. These mice maybe be useful for studying the neurobiological basis of eating disorders.
**GENETIC OVERVIEW**

**Esrra<sup>tm1Dgen</sup>**

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<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Reporter, Null/Knockout)</td>
<td>Esrra</td>
<td>estrogen related receptor, alpha</td>
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**RESEARCH APPLICATIONS**

- Metabolism Research
- Research Tools
- Neurobiology Research

**BASE PRICE**

Starting at:

$2,854.50 Domestic price Cryo Recovery

**Details**

*Esrra* (estrogen related receptor, alpha) is a transcription factor expressed in the central nervous system and involved in the regulation of metabolic processes associated with neuronal function. A missense mutation in human ESRRA (R188Q) is associated with an increased risk for eating disorders. Mice homozygous for the null allele exhibit a low body weight, decreased food consumption (ad libitum), a reduced operant response to high fat diet, and reduced locomotion. Female mice also exhibit a compulsivity/behavioral rigidity (characterized by increased grooming and marble burying behavior) and social deficits. These mice may be useful for studying the neurobiological basis of eating disorders.

This targeted mutant was created and characterized by Deltagen, Inc. View phenotypic data developed by Deltagen.

**Development**

**Expression Data**
Genotyping Protocols
Standard PCR: *Esrra*
Separated MCA: *Esrra*
Standard PCR: *Generic LacZ Melt Curve Analysis*
Probe: *Generic LacZ Probe*
Genotyping resources and troubleshooting

Citation
When using the *Esrra* KO mouse strain in a publication, please cite the originating article(s) and include JAX stock #005801 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.
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.

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Related Strains

<table>
<thead>
<tr>
<th>All</th>
</tr>
</thead>
<tbody>
<tr>
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