B6;129P2-Sema3f<sup>Im1Mom/MomJ</sup>

Stock No: 006710

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.

**Overview**

These mice carry a targeted mutation of the semaphorin 3F gene. Axonal wiring or some vomeronasal sensory neurons is perturbed by the deficiency. This strain may be useful in studies of olfactory neurobiology.

**Donating Investigator**
GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sema3f^{tm1Mom}</td>
<td></td>
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<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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<tbody>
<tr>
<td>Targeted (Null/Knockout)</td>
<td>Sema3f</td>
<td>sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F</td>
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RESEARCH APPLICATIONS

Sensorineural Research

BASE PRICE

Starting at:

VIEW PRICE LIST

Details

Detailed Description

These mice carry a targeted mutation of the semaphorin 3F gene. Axonal wiring or some vomeronasal sensory neurons is perturbed by the deficiency. Homozygotes are smaller than wildtype mice during the first few weeks after birth. Fewer homozygotes than predicted by Mendelian ratios are produced from heterozygous crosses. This strain may be useful in studies of olfactory neurobiology.

Development

Selected References

Genetics
Genotyping Protocols
Standard PCR: Sema3f<sup>tm1Mom</sup>
Genotyping resources and troubleshooting

Citation
When using the B6.129P2-Sema3f<sup>tm1Mom</sup>/MomJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #006710 in your Materials and Methods section.

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.

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Related Strains

All

By Allele

By Gene

By Collection

All Related Strains
Leading the search for
TOMORROW'S CURES