B6;129P2-Sema3f<sup>tm1Mom</sup>/MomJ

Stock No:  006710

Targeted Mutation

**CRYO RECOVERY**

**REQUEST CRYORECOVERY**

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

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**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>
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<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td><strong>Sema3f&lt;sup&gt;flm1Mom&lt;/sup&gt;</strong></td>
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**Allele Type**
- Targeted (Null/Knockout)

**Gene Symbol**
- Sema3f

**Gene Name**
- sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F

**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.

Animal Health Reports
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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By Allele

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