

C;129-*Aff2*<sup>tm1Glm</sup>/J

Stock No: 002419 | ATF-2-

 Targeted Mutation

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

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ossification at epiphyseal plates similar to human hypochondroplasia.

### Donating Investigator

Dr. Laurie H. Glimcher, Dana Farber Cancer Institute

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## GENETIC OVERVIEW

Genetic Background

Generation

*Aff2*<sup>tm1Glm</sup>

Alele Type

Gene Symbol

Gene Name

Targeted (Hypomorph)

*Aff2*

activating transcription factor 2

VIEW GENETICS

## RESEARCH APPLICATIONS

Neurobiology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

## Details

### Detailed Description

Mice homozygous for this mutation show decreased postnatal survival. Many of the mice die within the first 2 days of life or at the time of weaning. The growth of the surviving homozygous mice is impaired. Homozygous mice are hyperactive, display a very fine tremor, show an "exaggerated stretching of the hind limbs upon awakening", and have decreased grasping ability in the hind limbs. Homozygous mice have "increased numbers of microglia in the corpus callosum and other white matter tracts", as well as "larger, often distorted myelinated axons" in the spinal cord. Over half of homozygous mice develop a periorbital inflammation consisting of neutrophils and lymphocytes.

### Control Suggestions

### Selected References

## Genetics

### *Atf2<sup>tm1Glm</sup>*

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

### References

## Technical Support

### CONTACT TECHNICAL SUPPORT

#### Genotyping Protocols

Standard PCR:[Atf2](#)

Standard PCR:[Atf2](#)

[Genotyping resources and troubleshooting](#)

#### Breeding Considerations

The expected coat color is albino.

[Additional Breeding and Husbandry Support](#)

#### Citation

When using the ATF-2- mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002419 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



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

#### CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Heterozygous or Wild-type for <a href="#">Atf2<sup>tm1Glm</sup></a>	\$2,854.50

## 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. We do not guarantee [breeding performance](#) and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.

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### Terms Of Use

#### TERMS OF USE

[General Terms and Conditions](#)

Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

#### ADDITIONAL USE RESTRICTIONS APPLY

[Use of MICE by companies or for-profit entities requires a license prior to shipping.](#)

#### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

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### Related Strains

All

By Allele

By Gene

By Collection






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*Leading the search for*

# TOMORROW'S CURES



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Yes  No