B6.129(ICR)-Tg(CAG-ECFP)CK6Nagy/J

Stock No: 004218 | CK6/ECFP

Congenic, Transgenic

Also Known As: B6.129(ICR)-Tg(ActbECFP)1Nagy/J, B6.129(ICR)-Tg(ACTB-ECFP)1Nagy/J, B6.129(ICR)-Tg(ACTB-ECFP)CK6Nagy/J, CK6/ECFP

All tissues from hemizygous animals, with the exception of erythrocytes and adipocytes, display fluorescence in all cell types under appropriate lighting conditions.

Donating Investigator

IMR Colony, The Jackson Laboratory

3–6 week average lead time depending on quantity and age requests are not accepted

GENETIC OVERVIEW

Genetic Background  Generation
N11F4
(2016-09-19 00:00:00)

Tg(CAG-ECFP)CK6Nagy

Allele Type
Transgenic (Inserted expressed sequence)

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:
Details

Detailed Description

Mice that are hemizygous for the transgenic insert are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. All tissues from hemizygous animals display fluorescence in all cell types under appropriate lighting conditions. Notable exceptions to this phenotype are erythrocytes and adipocytes in which fluorescence is negligible or absent. In an attempt to offer alleles on well-characterized or multiple genetic backgrounds, alleles are frequently moved to a genetic background different from that on which an allele was first characterized. It should be noted that the phenotype could vary from that originally described. We will modify the strain description if necessary as published results become available.

Development

Expression Data

Control Suggestions

Selected References

Genetics

Tg(CAG-ECFP)CK6Nagy

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support
Genotyping Protocols
QPCR: Fluorescent Proteins -- Generic GFP
Standard PCR: Fluorescent Proteins (Generic GFP)
Genotyping resources and troubleshooting

Dietary Information
New Diet as of March 2015: Lab Diet® 5K0Q (6% fat)

Breeding Considerations
When maintaining a live colony, homozygous mice may be bred together.
Additional Breeding and Husbandry Support

Mating System
Homozygote x Homozygote

Citation
When using the 004218 mouse strain in a publication, please cite the originating article(s) and include JAX stock #004218 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
AX10 (Standard)

Pricing & Availability
3–6 week average lead time depending on quantity and age requests are not accepted

Repository Live

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<thead>
<tr>
<th></th>
<th>Live Mouse</th>
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<tr>
<td>AGE</td>
<td></td>
<td>SEX</td>
<td>GENOTYPE</td>
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<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Male</td>
<td>Homozygous for Tg[CAG-ECFP]CK6Nagy</td>
<td>$255.00</td>
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