**B6.Cg-Tg(Prrx1-cre)1Cjt/J**

**Stock No:** 005584 | Prx1-Cre

- Congenic, Transgenic

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**Overview**

**Also Known As: Prx1-Cre**

Prx1-Cre (Prrx1^{Cre}) transgenic mice have the Prrx1 promoter/enhancer directing Cre recombinase expression to early limb bud mesenchyme and a subset of craniofacial mesenchyme. This tool strain may be useful for generating tissue specific-targeted mutants for studying limb bud development and patterning.

**Donating Investigator**

Clifford J Tabin, Harvard Medical School
GENETIC OVERVIEW

Genetic Background: N12×N3pN2F7
Generation: (2018-11-21 00:00:00)

Tg(Prrx1-cre)1Cjt

Allele Type: Transgenic (Recombinase-expressing)

RESEARCH APPLICATIONS

Developmental Biology Research
Research Tools

BASE PRICE

Starting at:

$76.22 Domestic price for female
347.22 Domestic price for breeder pair

Details

Detailed Description

Mice homozygous for the transgenic insert are viable, fertile, normal in size and do not display any gross physical or behavioral abnormalities. These transgenic mice express Cre recombinase under the control of the paired related homeobox 1 promoter. Cre recombinase expression closely patterns endogenous gene expression and is detectable by embryonic day 9.5. Some recombination occurs in the female germline. When crossed with a strain containing a loxP site-flanked sequence of interest, Cre-mediated recombination results in deletion of the flanked sequence in early limb bud mesenchyme. This strain represents an effective tool for generating tissue specific-targeted mutants useful in studies of limb bud development and patterning.

View cre expression characterization.

Development
Expression Data

Control Suggestions

Selected References

Genetics

Tg(Prrx1-cre)1Cjt

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Contact technical support

Genotyping Protocols
Standard PCR: Generic Cre
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, hemizygous transgenic mice are bred to wildtype siblings. Homozygous mice, reportedly, are viable and fertile.

Additional Breeding and Husbandry Support

Mating System
Hemizygote x +/- sibling

Citation
When using the Prrx1-Cre mouse strain in a publication, please cite the originating article(s) and include JAX stock #005584 in your Materials and Methods section.
Facility Barrier Level Descriptions

AX12 (Maximum)

Pricing & Availability
3–6 week lead time for most orders depending on quantity and age range requested

### Live Mouse

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<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tr>
<td>Approx 4-8 weeks</td>
<td>Female</td>
<td>Hemizygous for Tg(Prrx1-cre)1Cjt</td>
<td>$271.00</td>
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<td>Male</td>
<td>Noncarrier</td>
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### Breeder Pair

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