

**B6;129S4-5830428H23Rik<sup>Gt(ROSA)76Sor</sup>/J**

Stock No: **007202**

 Gene Trap

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

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immediate early genes (IEG) induced shortly after RTK activation. Homozygous embryos exhibit hemorrhages and microaneurisms with vascular defects persisting into adulthood. Homozygotes also exhibit polychromasia, kidney defects and abnormalities in palate bone fusion and abnormal neural crest derived and thoracic skeleton development.

### Donating Investigator

Dr. Philippe Soriano, Mount Sinai School of Medicine

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## GENETIC OVERVIEW

Genetic Background

Generation

*Zfp950<sup>Gt(ROSA)76Sor</sup>*

**Alele Type**

Gene trapped (Reporter,  
Null/Knockout)

**Gene Symbol**

*Zfp950*

**Gene Name**

zinc finger protein 950

VIEW GENETICS

## RESEARCH APPLICATIONS

Developmental Biology Research  
Cardiovascular Research  
Cell Biology Research  
Hematological Research  
Internal/Organ 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

At age E11.5 to E18.5, homozygous embryos exhibit hemorrhages and microaneurisms. Vascular defects persist into adulthood. At six weeks of age, mice are anemic (low hemoglobin concentration, red blood cell count, hematocrit). These mice also exhibit polychromasia (abnormally high number of immature blood cells); kidney defects (abnormally high blood urea nitrogen level, kidney size smaller than wild-type, swollen blood filled glomeruli, reduced number of vascular smooth muscle cells in glomeruli); abnormalities in palate bone fusion and abnormal neural crest derived and thoracic skeleton development. No gene product is detected in homozygous embryos aged ED9.5-12.5 or in adult gonad. Homozygotes occur at lower than Mendelian ratio (18%) and 8% die by age one week. Surviving homozygotes and heterozygotes are viable and fertile. These *Zfp826* (BC055757)-mutant mice may be useful in studying cellular signaling in development and adult mice; specifically receptor tyrosine kinases (RTK; such as Ras, MAP kinase, PI3K and those in the platelet-derived growth factor (PDGF) family) and immediate early genes (IEG) induced shortly after RTK activation.

#### Development

#### Control Suggestions

#### Selected References

### Genetics

#### *Zfp950*<sup>Gt(ROSA)76Sor</sup>

### Disease/Phenotype

[+ Disease Terms](#)

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[+ Research Areas By Phenotype](#)

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[+ Mammalian Phenotype Terms by Genotype](#)

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[+ References](#)

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## [- Technical Support](#)

C O N T A C T   T E C H N I C A L   S U P P O R T

### Genotyping Protocols

Separated PCR:[5830428H23Rik](#)

[Genotyping resources and troubleshooting](#)

### Breeding Considerations

When maintaining a live colony, these mice can be bred as heterozygotes or homozygotes. Homozygotes occur at lower than Mendelian ratio (18%) and 8% die by age 1 week. Surviving homozygotes and heterozygotes are viable and fertile.

[Additional Breeding and Husbandry Support](#)

### Citation

When using the B6;129S4-5830428H23Rik<sup>Gt(ROSA)76Sor</sup>/J mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #007202 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 Zfp826<Gt(ROSA)76Sor>	\$2,854.50

## RELATED PRODUCTS AND SERVICES

<a href="#">Frozen Mouse Embryo</a>	B6;129S4-5830428H23Rik<Gt(ROSA)76Sor>/J Frozen Embryo	\$2595.00
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## 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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### LICENSING INFORMATION

Phone: 207-288-6470

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

## Related Strains

All

By Allele

By Gene

By Collection



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# TOMORROW'S CURES



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