HEC6ST-eGFP transgenic mice have the carbohydrate (chondroitin 6/keratan) sulfotransferase 4 (Chst4) promoter/enhancer sequences driving expression of an enhanced green fluorescent protein, EGFP. These mice may be useful for imaging high endothelial venules (HEV) and lymphatic vessel interactions in lymph nodes.

Donating Investigator
Nancy H. Ruddle, Yale University

BASE PRICE
Starting at:
HEC6ST-eGFP transgenic mice have the carbohydrate (chondroitin 6/keratan) sulfotransferase 4 (Chst4) promoter/enhancer sequences driving expression of an enhanced green fluorescent protein, EGFP. CHST4 is a sulfotransferase that modifies various glycoproteins to generate peripheral node addressin (PNAd), a cell adhesion molecule present on high endothelial venules (HEV) in lymph nodes. Sulfation of PNAd is essential for interaction with naïve L-selectin positive lymphocytes allowing entrance into lymph node parenchyma. Homozygotes are viable and fertile. HEC6ST-eGFP reporter mice express GFP only in HEV of lymph nodes and in intestinal villi.
Technical Support

Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, homozygous mice may be bred together.

Additional Breeding and Husbandry Support

Citation
When using the B6.Cg-Tg(Chst4-EGFP)23Nrud/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #022787 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

Pricing effective for USA, Canada and Mexico shipping destinations

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Related Products and Services

Frozen Mouse Embryo

B6.Cg-Tg(Chst4-EGFP)23Nrud/J Frozen Embryo | $2595.00
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**Terms Of Use**

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- By Allele
- By Gene
- By Collection

All Related Strains