

C57BL/6J-Tg(Th-SNCA)5Eric/J Stock No: 008245

Coisogenic, Transgenic

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

PLACE ORDER

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synaptic plasticity in conjunction with Stock No. 008239.

Donating Investigator

Eric Richfield, Rutger's University (EOHSI/UMDNJ)

GENETIC OVERVIEW

Genetic Background Generation

Tg(Th-SNCA)5Eric

Allele Type

Transgenic (Inserted expressed sequence, Humanized sequence)

RESEARCH APPLICATIONS

Neurobiology Research Research Tools

BASE PRICE	
Starting at:	
\$2,854.50 Domestic price Cryo Recovery	
	VIEW PRICE LIST
Details	
 Detailed Description 	
These hwα-SYN-5 mice express wildtype h	numan alpha-synuclein (hα-SYN) under the control of the rat tyrosine hydroxylase
	ed in cell bodies, axons, and terminals of the nigrostriatal system (mRNA land, with high levels of protein expression in the cell bodies of dopaminergic
neurons in the midbrain and striatum). Hemizygous mice exhibit several Parkinson's disease-related characteristics including increased density of the dopamine transporter, impairments of the ubiquitin-proteasome system, and age-related	
progressive loss of locomotor activity and substantia nigra pars compacta dopaminergic neurons. The Parkinson's disease-related phenotype of these hwα-SYN-5 mice is intermediate between that of the C57BL/6J wild-type controls and the	
severely affected hm ² α-SYN-39 strain (see Stock No. 008239). As such, these hwα-SYN-5 transgenic mice may be useful for studying Parkinson's disease, Lewy bodies, neurodegeneration, and synaptic plasticity in conjunction with Stock No.	
008239.	
Development	
Expression Data	
·	
◆ Control Suggestions	
• Selected References	
Genetics	
◆ Tg(Th-SNCA)5Eric	

- Disease/Phenotype
 - Disease Terms

- Research Areas By Phenotype
- Mammalian Phenotype Terms by Genotype
- References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols
Standard PCR:Tg(Th-SNCA)
Standard PCR:Tg(Th-SNCA)
Genotyping resources and troubleshooting

Breeding Considerations

When maintaining a live colony, hemizygotes are bred to wildtype siblings or to inbred C57BL/6J mice.

Additional Breeding and Husbandry Support

Citation

When using the C57BL/6J-Tg(Th-SNCA)5Eric/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #008245 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



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



Pricing effective for USA, Canada and Mexico shipping destinations

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo C57BL/6J-Tg(Th-SNCA)5Eric/J \$2595.00

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.



TERMS OF USE

General Terms and Conditions

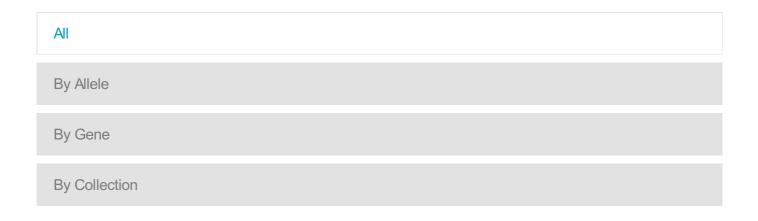
QUESTIONS ABOUT TERMS OF USE

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



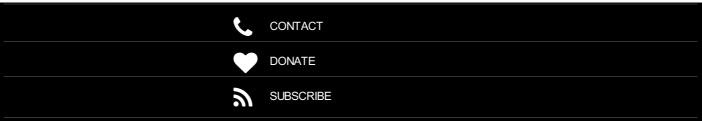


DO YOU NEED BALB/c MICE?



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Leading the search for

TOMORROW'S CURES

