

CBy.Cg-Dcc^{kanga}/GrsrJ

Stock No: 029220 | kanga

 Congenic, Spontaneous Mutation

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

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homodimerization and attraction of growing axons. Homozygotes are ataxic, have difficulty remaining upright, and move with a hopping gait with the hindlegs moving together instead of in alternating strides. This hypomorph has aberrant development of the corticospinal tract with failure of axons to cross the midline in the normal locations. The corticospinal tract is absent from the dorsal funiculus of the spinal cord. The corpus callosum and anterior commissure are missing and the pontine nuclei are absent from the hindbrain.

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GENETIC OVERVIEW

Genetic Background

Generation

Dcc^{kanga}

Allele Type

Spontaneous

Gene Symbol

Dcc

Gene Name

deleted in colorectal carcinoma

VIEW GENETICS

RESEARCH APPLICATIONS

Neurobiology Research

Developmental Biology 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

Dcc^{kanga} is a spontaneous deletion of exon 9, the last coding exon, which encodes the P3 domain important for both homodimerization and attraction of growing axons. Homozygotes are ataxic, have difficulty remaining upright, and move with a hopping gait with the hindlegs moving together instead of in alternating strides. This hypomorph has aberrant development of the corticospinal tract with failure of axons to cross the midline in the normal locations. The corticospinal tract is absent from the dorsal funiculus of the spinal cord. The corpus callosum and anterior commissure are missing and the pontine nuclei are absent from the hindbrain.

Development

Selected References

Genetics

Dcc^{kanga}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Standard PCR:[Dcc](#)

[Genotyping resources and troubleshooting](#)

Appearance

albino, unaffected

Related Genotype: $A/A Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c Dcc^{kanga}/+$ or $A/A Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c +/?$

albino, ataxic hopping gait

Related Genotype: $A/A Tyrp1^b/Tyrp1^b Tyr^c/Tyr^c Dcc^{kanga}/Dcc^{kanga}$

Citation

When using the kanga mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #029220 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
Cryo Recovery	Heterozygous or wildtype for Dcc<kanga>	\$2,854.50

RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	CBy.Cg-Dcc<kanga>/GrsrJ	\$2595.00
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LICENSING INFORMATION

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Email: TechTran@jax.org

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By Allele

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By Collection



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