



Lrrk1 knockout rat

Model	Lrrk1 knockout rat
Strain	HsdSage:LE- <i>Lrrk1</i> ^{tm1Sage}
Location	U.S.
Availability	Cryopreserved

Characteristics/husbandry

- + Background strain: Long Evans Hooded

Zygoty genotype

- + Cryopreserved as heterozygous embryos

Research use

- + Parkinson's disease
- + Neuronal apoptosis

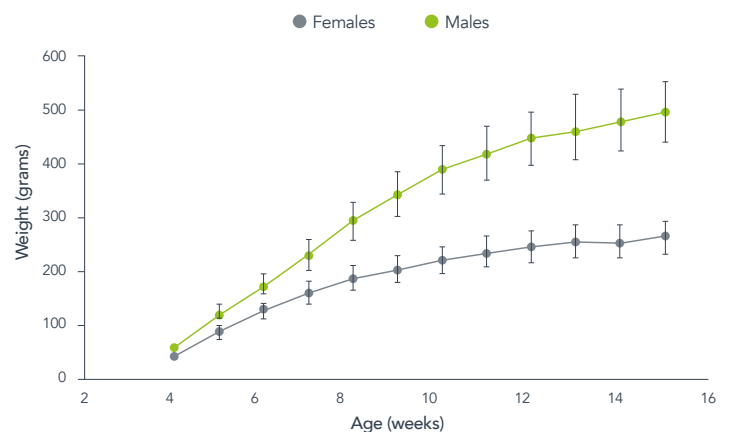
Origin

The Lrrk1 KO rat model was originally created at SAGE Labs, Inc. in St. Louis, MO and distributed out of the Boyertown, PA facility. The line continues to be maintained through the original SAGE Labs animal inventory acquired by Envigo.

Description

Developed in collaboration with The Michael J. Fox Foundation, this model contains a deletion of the Lrrk1 gene, encoding for the leucine-rich repeat kinase 1. This model is useful in understanding Lrrk1 biology.

Figure 1: Weight and age comparison chart



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