

Met knockout rat

Model	Met knockout rat
Strain	HsdSage:SD- Met ^{tm1Sage}
Location	U.S.
Availability	Cryopreserved

Characteristics/husbandry

- + This model possesses a 17 base pair deletion in exon 8 of MET
- + This model is provided as a heterozygous knockout; homozygous knockout of MET is not viable
- + Background Strain: Sprague-Dawley

Zygoty genotype

- + Cryopreserved as heterozygous embryos

Research use

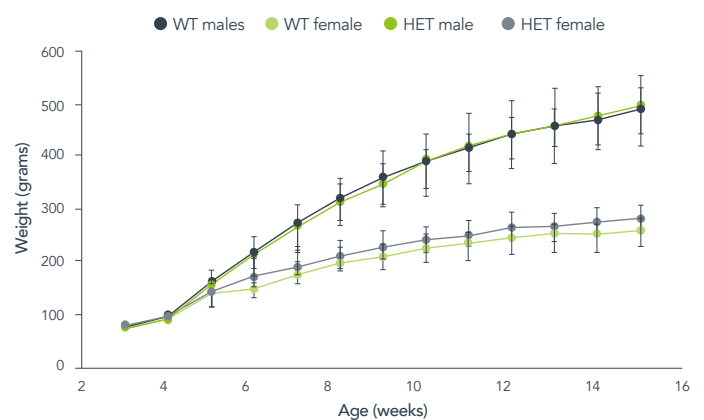
- + Autism spectrum disorders
- + Synaptic plasticity
- + Autoimmune disorders

Origin

The MET knockout 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

Generated in partnership with Autism Speaks, this model possesses a deletion in exon 8 of MET receptor tyrosine kinase (MET). Mutations in MET have been associated with the autism spectrum disorders in human patients, and this model is useful for the study of autism. Homozygous knockout of MET is embryonic lethal.



Contact us

North America 800.793.7287 gemsorders@envigo.com
Envigo, 8520 Allison Pointe Blvd., Suite 400, Indianapolis, IN 46250, United States