

Resource Summary Report

Generated by [kravitz2](#) on Jul 30, 2026

SD-Lep^{em1Sage}-/-

RRID:RGD_12904912

Type: Organism

Proper Citation

RRID:RGD_12904912

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=12904912>

Proper Citation: RRID:RGD_12904912

Description: Rattus norvegicus with name SD-Lep^{em1Sage}-/- from RGD.

Species: Rattus norvegicus

Notes: This ZFN model possesses a 151 bp deletion spanning exon 1/intron 1 junction of Leptin gene. Homozygous knockout rats display loss of Leptin protein via Western blot. Homozygous knockout rats demonstrate significant weight gain compared to wild type littermates. Homozygous knockout rats show significantly elevated serum cholesterol levels [Inotiv](#)

Catalog Number: 12904912

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2017-05-24)

Alternate IDs: 12904912

Organism Name: SD-Lep^{em1Sage}-/-

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260725T194303+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Lep^{em1Sage}*^{-/-}.

No alerts have been found for SD-*Lep^{em1Sage}*^{-/-}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.