

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 5, 2026

SD-Mecp2^{em1Sage}/Hsd

RRID:RGD_156430169

Type: Organism

Proper Citation

RRID:RGD_156430169

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=156430169>

Proper Citation: RRID:RGD_156430169

Description: Rattus norvegicus with name SD-Mecp2^{em1Sage}/Hsd from RGD.

Species: Rattus norvegicus

Notes: The MeCP2 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. The ZFN mutant rat strain was produced by injecting zinc finger nuclease targeting rat Mecp2 into Sprague Dawley embryos. This mutant rat has a knockout of the methyl CpG binding protein 2 (Mecp2). [ENVIGO](#)

Catalog Number: 156430169

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2023-02-22)

Alternate IDs: 156430169

Organism Name: SD-Mecp2^{em1Sage}/Hsd

Record Creation Time: 20230509T191952+0000

Record Last Update: 20260905T135244+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Mecp2*^{em1Sage}/Hsd.

No alerts have been found for SD-*Mecp2*^{em1Sage}/Hsd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Siqueira E, et al. (2025) NEAT1-mediated regulation of proteostasis and mRNA localization impacts autophagy dysregulation in Rett syndrome. Nucleic acids research, 53(4).

Yang J, et al. (2024) Mecp2 fine-tunes quiescence exit by targeting nuclear receptors. eLife, 12.