

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

SD-Pten^{em1Sage}

RRID:RGD_11568062

Type: Organism

Proper Citation

RRID:RGD_11568062

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=11568062>

Proper Citation: RRID:RGD_11568062

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

Species: Rattus norvegicus

Notes: The ZFN mutant rat strain was produced by injecting zinc finger nuclease targeting rat Pten into Sprague Dawley embryos. This mutant rat has a 7-bp deletion in exon7 resulting in knockout of Pten. [Horizon Discovery](#)

Catalog Number: 11568062

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2016-12-13)

Alternate IDs: 11568062

Organism Name: SD-Pten^{em1Sage}

Record Creation Time: 20230509T191947+0000

Record Last Update: 20260808T193743+0000

Ratings and Alerts

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

No alerts have been found for SD-*Pten*^{em1}*Sage*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Delangre E, et al. (2025) Comparative analysis of S100A10 and S100A11 in MASLD and hepatic cancer development revealed a tumor suppressive role for S100A10. Cell death & disease, 16(1), 633.