

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

SD-Pde4b^{em1Sage}

RRID:RGD_13782128

Type: Organism

Proper Citation

RRID:RGD_13782128

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=13782128>

Proper Citation: RRID:RGD_13782128

Description: Rattus norvegicus with name SD-Pde4b^{em1Sage} from RGD.

Species: Rattus norvegicus

Notes: These ZFN mutant rats were produced by injecting zinc finger nuclease targeting exon 1 of rat Pde4b into Sprague Dawley embryos. The 16-bp frameshift deletion (AGCGGCGTCGCTTCAC) in exon 1 in rat was created in the mutant founders. These mutant founders were backcrossed with Sprague Dawley to produce heterozygous offspring, which were then intercrossed to produce homozygous and heterozygous offspring. [Horizon Discovery](#)

Catalog Number: 13782128

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2018-08-22)

Alternate IDs: 13782128

Organism Name: SD-Pde4b^{em1Sage}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193745+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Pde4b*^{em1Sage}.

No alerts have been found for SD-*Pde4b*^{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.