

Resource Summary Report

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

SD-Pde3a^{em1Bdr}

RRID:RGD_155631293

Type: Organism

Proper Citation

RRID:RGD_155631293

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=155631293>

Proper Citation: RRID:RGD_155631293

Description: Rattus norvegicus with name SD-Pde3a^{em1Bdr} from RGD.

Species: Rattus norvegicus

Notes: The rat mutant was generated by pronuclear microinjection of Sprague-Dawley rat zygotes with a mixture of Cas9/Cas9 system to target the region in the rat Pde3a gene homologous to the human T445N mutation. The rat model exhibits a 9-bp deletion within the conserved 15-bp regulatory region that leads to the loss of 3 amino acids (aa 441-443 analogous to human PDE3A aa 444-446).

Catalog Number: 155631293

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 155631293

Organism Name: SD-Pde3a^{em1Bdr}

Record Creation Time: 20230509T191952+0000

Record Last Update: 20260808T193750+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Pde3a*^{em1Bdr}.

No alerts have been found for SD-*Pde3a*^{em1Bdr}.

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.