

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

SD-Pde6b^{em1Baek}

RRID:RGD_42721977

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=42721977>

Proper Citation: RRID:RGD_42721977

Description: Rattus norvegicus with name SD-Pde6b^{em1Baek} from RGD.

Species: Rattus norvegicus

Notes: Cpf1 mRNA (50 ng per uL) and CRISPR RNA (100 ng per uL) were co-microinjected into the cytoplasm of pronuclear stage embryos; surviving embryos were transplanted into the oviducts of pseudo-pregnant surrogate mothers to generate live animals. A Pde6b-mutant rat line with an 11-bp deletion in exon 1 was established. Western blot analysis confirmed deficiency of Pde6b protein in the homozygous mutant retina, indicating successful generation of Pde6b-deficient rats with Cpf1-mediated gene targeting.

Catalog Number: 42721977

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 42721977

Organism Name: SD-Pde6b^{em1Baek}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260919T201849+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Pde6b*^{em1Baek}.

No alerts have been found for SD-*Pde6b*^{em1Baek}.

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.