

Resource Summary Report

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

WI;WDB-Prdm14^{tm1(H2BVenus)}Nips

RRID:RGD_125097491

Type: Organism

Proper Citation

RRID:RGD_125097491

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=125097491>

Proper Citation: RRID:RGD_125097491

Description: Rattus norvegicus with name WI;WDB-Prdm14^{tm1(H2BVenus)}Nips from RGD.

Species: Rattus norvegicus

Notes: Targeting vector was designed to replace 1st and 4th exons encoding DNA-binding domain of Prdm14 locus with H2BVenus. The vector was introduced into WDB/Nips-ES1/Nips (RGD ID:10054010) embryonic stem cells by electroporation. Targeted ES cells were injected into Crlj:WI blastocysts to produce chimeric rats. The chimeric rats were crossed with Crlj:WI rats to produce heterozygous founder rats. These rat strains are being maintained by crossing the founder rats with Crlj:WI rats. Homozygous Prdm14 knocked-in rats have the germ cell-deficient phenotype. Section of Mammalian Transgenesis, Center for Genetic Analysis of Behavior, National Institute for Physiological Sciences, Okazaki, Aichi 444-8787, JAPAN

Catalog Number: 125097491

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals; Cryopreserved Embryo (as of 2021-04-01)

Alternate IDs: 125097491

Organism Name: WI;WDB-Prdm14^{tm1(H2BVenus)}Nips

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260808T193748+0000

Ratings and Alerts

No rating or validation information has been found for WI;WDB-*Prdm14^{tm1(H2BVenus)}Nips*.

No alerts have been found for WI;WDB-*Prdm14^{tm1(H2BVenus)}Nips*.

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.