

Resource Summary Report

Generated by [dkNET](#) on Sep 8, 2026

SD-Wfs1^{em3Ptsn}

RRID:RGD_149735338

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=149735338>

Proper Citation: RRID:RGD_149735338

Description: Rattus norvegicus with name SD-Wfs1^{em3Ptsn} from RGD.

Species: Rattus norvegicus

Notes: Rat Wfs1 exon 5-specific zinc-finger nucleases (ZNFs) and microinjection-ready mRNA were injected to embryos harvested from female Sprague-Dawley rats (Crl: CD(SD))rats. Thereafter, microinjected egg cells were transferred to the oviduct of pseudopregnant Sprague-Dawley recipients. Three different Wfs1 mutant rat lines were created: Wfs1^{em1} (Wfs1-ex5-KO232), Wfs1^{em2} (Wfs1-ex5-KO266) and Wfs1^{em3} (Wfs1-ex5-INS244). Wfs1^{em3} rats carry a substitution in exon 5 of the Wfs1 gene, which is predicted to result in a substitution of LQK (aa 224-226) into YCMNTI in the WFS1 protein.

Catalog Number: 149735338

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 149735338

Organism Name: SD-Wfs1^{em3Ptsn}

Record Creation Time: 20230509T191951+0000

Record Last Update: 20260905T135243+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Wfs1*^{em3Ptsn}.

No alerts have been found for SD-*Wfs1*^{em3Ptsn}.

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.