

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

GK/Wnsm

RRID:RGD_127284837

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=127284837>

Proper Citation: RRID:RGD_127284837

Description: Rattus norvegicus with name GK/Wnsm from RGD.

Species: Rattus norvegicus

Notes: The Goto-Kakizaki (GK) rat is a non-obese Wistar substrain which develops Type 2 diabetes mellitus early in life. The model was developed by Goto and Kakizaki at Tohoku University, Sendai, Japan in 1975. The GK line was established by repeated inbreeding from Wistar rats selected at the upper limit of normal distribution for glucose tolerance. Repeated selection of rats with tendency to lowest glucose tolerance resulted in clear-cut glucose intolerance after five generations. This GK/Wnsm colony was established at the University of Wales College of Medicine (Cardiff, UK) after received breeding pairs provided by Professor Y Goto (Tohoku University School of Medicine, Sendai, Japan).

Catalog Number: 127284837

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 127284837

Organism Name: GK/Wnsm

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193746+0000

Ratings and Alerts

No rating or validation information has been found for GK/Wnsm.

No alerts have been found for GK/Wnsm.

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.