

# Resource Summary Report

Generated by [dkNET](#) on Sep 4, 2026

## WKY-Col4a5<sup>em3</sup>Matsu

RRID:RGD\_329845600

Type: Organism

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### Proper Citation

RRID:RGD\_329845600

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### Organism Information

**URL:** <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=329845600>

**Proper Citation:** RRID:RGD\_329845600

**Description:** Rattus norvegicus with name WKY-Col4a5<sup>em3</sup>Matsu from RGD.

**Species:** Rattus norvegicus

**Notes:** Genome editing was performed using the rGONAD method to produce three different lines of KO rats due to three different genome mutations thus different in protein expression predication. The genetic background is WKY/NCrI CrIj (Charles River Laboratories Japan) (RGD:61119). Tandem STOP codons were designed to integrate into 27 bases after the first ATG in the rat Col4a5 gene This em3 mutant carries a deletion of 56 base pairs containing the first methioine. Col4???5 em3 ratshave urinary protein and hematuria from early on, and males begin to die at 18 weeks of age and all die by 28 weeks of age. [National BioResource Project for the Rat in Japan](#)

**Catalog Number:** 329845600

**Background:** mutant

**Database:** Rat Genome Database (RGD)

**Database Abbreviation:** RGD

**Availability:** Unknown

**Alternate IDs:** 329845600

**Organism Name:** WKY-Col4a5<sup>em3</sup>Matsu

**Record Creation Time:** 20230823T202703+0000

**Record Last Update:** 20260829T185000+0000

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## Ratings and Alerts

No rating or validation information has been found for WKY-*Col4a5<sup>em3Matsu</sup>*.

No alerts have been found for WKY-*Col4a5<sup>em3Matsu</sup>*.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Rat Genome Database (RGD)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.