

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

W-Cyp27b1^{em1Thka}

RRID:RGD_124713544

Type: Organism

Proper Citation

RRID:RGD_124713544

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=124713544>

Proper Citation: RRID:RGD_124713544

Description: Rattus norvegicus with name W-Cyp27b1^{em1Thka} from RGD.

Species: Rattus norvegicus

Notes: This strain was established by injecting Jcl:Wistar embryo with CRISPR/Cas9 system to delete the cysteine at position 462 in exon 8, which is the 5th ligand of heme iron and an active center of Cyp27b1. The resulting mutation is a 25 amino acid deletion (75 bp deletion) in the target site. The mutant was maintained with CE-2 formula diet (CLEA Japan, Inc., Tokyo, Japan) containing 1.15% calcium and 2,100 IU vitamin D3/kg diet. Homozygotes Cyp27b1 mutants were maintained by mating of heterozygotes.

Catalog Number: 124713544

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 124713544

Organism Name: W-Cyp27b1^{em1Thka}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193746+0000

Ratings and Alerts

No rating or validation information has been found for W-Cyp27b1^{em1Thka}.

No alerts have been found for W-Cyp27b1^{em1Thka}.

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.