

Resource Summary Report

Generated by [dkNET](#) on Sep 12, 2026

WAG-Cd247^{em9Mcwi}

RRID:RGD_152985692

Type: Organism

Proper Citation

RRID:RGD_152985692

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=152985692>

Proper Citation: RRID:RGD_152985692

Description: Rattus norvegicus with name WAG-Cd247^{em9Mcwi} from RGD.

Species: Rattus norvegicus

Notes: CRISPR/Cas9 mutagenesis was used to knockout Cd247 in the WAG/RijCmcr (WAG) strain. A single guide RNA (sgRNA) targeting the Cd247 exon 2 sequence GATGGAATCCTCTTCATCTACGG (protospacer adjacent motif in bold) was injected along with SpCas9 protein into one-cell WAG embryos. A founder offspring harboring a 17-bp frame-shift indel mutation deleting GAATCCTCTTCATCTAC (rn6.0 chr13:84,064,185-84,064,201) was identified and confirmed by Sanger sequencing. The frameshift mutation is predicted to cause a premature truncation of the normal 165 amino acid protein coding sequence after only 37 amino acids, lacking most of the transmembrane and the entirety of the external cellular protein domains. Contact MCW rat distribution at mcwcustomrats@mcw.edu.

Catalog Number: 152985692

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2022-06-08)

Alternate IDs: 152985692

Organism Name: WAG-Cd247^{em9Mcwi}

Record Creation Time: 20260218T065831+0000

Record Last Update: 20260905T135247+0000

Ratings and Alerts

No rating or validation information has been found for WAG-*Cd247^{em9Mcwi}*.

No alerts have been found for WAG-*Cd247^{em9Mcwi}*.

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.