

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

SD-Muc1^{em1Cgen}

RRID:RGD_127345097

Type: Organism

Proper Citation

RRID:RGD_127345097

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=127345097>

Proper Citation: RRID:RGD_127345097

Description: Rattus norvegicus with name SD-Muc1^{em1Cgen} from RGD.

Species: Rattus norvegicus

Notes: The Muc1 knock out Sprague Dawley rats were produced by targeted gene mutation at rat Muc1 gene. The deletion was made by microinjection of TALENs and located in the exon 1 of rat Muc1 gene (Gen Bank: NM_012602.1). Genotyping was performed by PCR of tail DNA using primers specific for the rat MUC1 gene with forward primer 5'-CTAGCAAGCCTAAAAGGTGAGAGGT-3' and reverse primer 5'-ACGAAGAGCATTTGCCTACTC-3', followed by DNA sequencing analysis. Cyagen Biosciences Inc., Guangzhou, China

Catalog Number: 127345097

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 127345097

Organism Name: SD-Muc1^{em1Cgen}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193745+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Muc1^{em1Cgen}*.

No alerts have been found for SD-*Muc1^{em1Cgen}*.

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.