

Resource Summary Report

Generated by [NIF](#) on Sep 22, 2026

SD-Add3^{em1Mcowi}/ Roman

RRID:RGD_150429615

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=150429615>

Proper Citation: RRID:RGD_150429615

Description: Rattus norvegicus with name SD-Add3^{em1Mcowi}/ Roman from RGD.

Species: Rattus norvegicus

Notes: ZFN system was used to Knock out the rat Add3 gene of Crl:SD rat embryos. The ZFN mRNA was injected into the pronucleus of fertilized SpragueDawley embryos and transferred to the oviduct of pseudopregnant females. PCR genotyping of tail biopsies confirmed a 14-bp deletion using forward primer 5'-GCCCCCATGAGTCACTACAC-3' and reverse primer 5'-GCTACAGGAAGCATCTCCTGTG-3'. Founders with Add3 deletion were backcrossed to the parental strain to generate heterozygous F1 rats. Heterozygous F1 siblings were then intercrossed to derive a homozygous KO line used

Catalog Number: 150429615

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown (as of 2021-09-09)

Alternate IDs: 150429615

Organism Name: SD-Add3^{em1Mcowi}/ Roman

Record Creation Time: 20230509T191950+0000

Record Last Update: 20260919T201850+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Add3^{em1Mcwi}*/ Roman.

No alerts have been found for SD-*Add3^{em1Mcwi}*/ Roman.

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.