

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

SS-Cd40^{em1Uthal}/-

RRID:RRRC_00840

Type: Organism

Proper Citation

RRID:RRRC_00840

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=14398460

Proper Citation: RRID:RRRC_00840

Description: Rattus norvegicus with name SS-Cd40^{em1Uthal}/ - from RGD.

Species: Rattus norvegicus

Notes: Zinc Finger Nuclease (ZFN) was utilized to knockout rat CD40 function in the embryos of SS/JrHsd rats. The target sequence (CAGCACCGACACTGCgaactcAGTGCGTGGGGCTGCCGGG) introduced an 11 bp-deletion (CTGCGAACTCA) in the third exon of the Cd40 gene, resulted in a truncated protein. [Rat Resource and Research Center](#)

Catalog Number: 00840

Background: mutant

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Unknown

Alternate IDs: RGD_14398460, 14398460, RRRC_840, RRRC_0840, RRRC_00840

Organism Name: SS-Cd40^{em1Uthal}/ -

Record Creation Time: 20230607T202008+0000

Record Last Update: 20260808T100725+0000

Ratings and Alerts

No rating or validation information has been found for SS-*Cd40^{em1Uthal/-}* .

No alerts have been found for SS-*Cd40^{em1Uthal/-}* .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Chenouard V, et al. (2021) Advances in Genome Editing and Application to the Generation of Genetically Modified Rat Models. *Frontiers in genetics*, 12, 615491.