

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

SD-Foxo4^{em1Soar+/+}

RRID:RGD_405855877

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=405855877>

Proper Citation: RRID:RGD_405855877

Description: Rattus norvegicus with name SD-Foxo4^{em1Soar+/+} from RGD.

Species: Rattus norvegicus

Notes: This is the wild type littermate from crossing of heterozygous mutant female rats with wild-type male rats to generate hemizygous null male rats and wild type mutant. Foxo4 mutant strain (RGD:405855876) was created in zygotes from Holtzman Sprague-Dawley. Guided RNAs targeting exon 2 (target sequence: CCAGATATACGAATGGATGGTCC; nucleotides 517-539) and exon 3 (target sequence: GTTCATCAAGGTACATAACGAGG; nucleotides 631-653) of the Foxo4 gene (NM_001106943.1) were injected to the embryos to create a 3096-bp deletion including the 3' part of exon 2 and 5' part of exon 3, and resulting a premature stop of the protein.

Catalog Number: 405855877

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 405855877

Organism Name: SD-Foxo4^{em1Soar+/+}

Record Creation Time: 20240716T195814+0000

Record Last Update: 20260912T202542+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Foxo4^{em1Soar}+/+*.

No alerts have been found for SD-*Foxo4^{em1Soar}+/+*.

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.