

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 8, 2026

ACI.Cg.-Cdkn1b^{em4Musc}

RRID:RGD_126928150

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=126928150>

Proper Citation: RRID:RGD_126928150

Description: Rattus norvegicus with name ACI.Cg.-Cdkn1b^{em4Musc} from RGD.

Species: Rattus norvegicus

Notes: The CRISPR-Cas9 system targeted to exon 2 of the rat Cdkn1b was injected to zygotes derived from the Sprague-Dawley outbred rat strain. Two mutations with the highest potential impact on Cdkn1b function were transferred through the germline showing a 32-bp deletion (DEL-32, em1Musc) and a 65-bp deletion (DEL-65, em4Musc), both disrupting the open reading frame of the Cdkn1b gene. The selected mutations were bred to the ACI inbred strain for future study. This mutant strain ACI.Cg.-Cdkn1b^{em4Musc} harbors 65-bp deletion of Cdkn1b exhibits same phenotype as the em1Musc with 32-bp deletion

Catalog Number: 126928150

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 126928150

Organism Name: ACI.Cg.-Cdkn1b^{em4Musc}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193745+0000

Ratings and Alerts

No rating or validation information has been found for ACI.Cg.-*Cdkn1b*^{em4Musc}.

No alerts have been found for ACI.Cg.-*Cdkn1b*^{em4Musc}.

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.