

Resource Summary Report

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ACI.Cg.-Cdkn1b^{em1Musc}

RRID:RGD_126928146

Type: Organism

Proper Citation

RRID:RGD_126928146

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=126928146>

Proper Citation: RRID:RGD_126928146

Description: Rattus norvegicus with name ACI.Cg.-Cdkn1b^{em1Musc} 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^{em1Musc} harbors 32-bp deletion of Cdkn1b exhibits same phenotype as the em4Musc with 65-bp deletion

Catalog Number: 126928146

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 126928146

Organism Name: ACI.Cg.-Cdkn1b^{em1Musc}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260808T193746+0000

Ratings and Alerts

No rating or validation information has been found for ACI.Cg.-*Cdkn1b*^{em1Musc}.

No alerts have been found for ACI.Cg.-*Cdkn1b*^{em1Musc}.

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.