

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6;129S2-Cdkn1a^{tm1Tyj/J}

RRID:IMSR_JAX:003263

Type: Organism

Proper Citation

RRID:IMSR_JAX:003263

Organism Information

URL: <https://www.jax.org/strain/003263>

Proper Citation: RRID:IMSR_JAX:003263

Description: Mus musculus with name B6;129S2-Cdkn1a^{tm1Tyj/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: cyclin dependent kinase inhibitor 1A; mutant stock: Cdkn1a

Affected Gene: cyclin dependent kinase inhibitor 1A

Genomic Alteration: targeted mutation 1; Tyler Jacks

Catalog Number: JAX:003263

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S2-Cdkn1a^{tm1Tyj/J}

Record Creation Time: 20250513T053638+0000

Record Last Update: 20260912T060422+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S2-Cdkn1a^{tm1Tyj/J}.

No alerts have been found for B6;129S2-Cdkn1a^{tm1Tyj/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Ohayon D, et al. (2019) Cytosolic PCNA interacts with p47phox and controls NADPH oxidase NOX2 activation in neutrophils. The Journal of experimental medicine, 216(11), 2669.

Premnath P, et al. (2019) Absence of p21(WAF1/CIP1/SDI1) protects against osteopenia and minimizes bone loss after ovariectomy in a mouse model. PloS one, 14(4), e0215018.

Nishiguchi MA, et al. (2018) Aging Suppresses Skin-Derived Circulating SDF1 to Promote Full-Thickness Tissue Regeneration. Cell reports, 24(13), 3383.

Premnath P, et al. (2017) p21^{-/-} mice exhibit enhanced bone regeneration after injury. BMC musculoskeletal disorders, 18(1), 435.

Origanti S, et al. (2013) Synthetic lethality of Chk1 inhibition combined with p53 and/or p21 loss during a DNA damage response in normal and tumor cells. Oncogene, 32(5), 577.

Lemieux ME, et al. (2011) Inactivation of a single copy of Crebbp selectively alters pre-mRNA processing in mouse hematopoietic stem cells. PloS one, 6(8), e24153.

Harms C, et al. (2007) Phosphatidylinositol 3-Akt-kinase-dependent phosphorylation of p21(Waf1/Cip1) as a novel mechanism of neuroprotection by glucocorticoids. The Journal of neuroscience : the official journal of the Society for Neuroscience, 27(17), 4562.

Woods JM, et al. (2006) A cell-cycle independent role for p21 in regulating synovial fibroblast migration in rheumatoid arthritis. Arthritis research & therapy, 8(4), R113.