

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

B6.129S4(Cg)-Cdk5^{tm1.1Lht}/J

RRID:IMSR_JAX:014156

Type: Organism

Proper Citation

RRID:IMSR_JAX:014156

Organism Information

URL: <https://www.jax.org/strain/014156>

Proper Citation: RRID:IMSR_JAX:014156

Description: Mus musculus with name B6.129S4(Cg)-Cdk5^{tm1.1Lht}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Cdk5/J

Notes: gene symbol note: cyclin dependent kinase 5; mutant strain|congenic strain: Cdk5

Affected Gene: cyclin dependent kinase 5

Genomic Alteration: targeted mutation 1.1; Li-Huei Tsai

Catalog Number: JAX:014156

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4(Cg)-Cdk5^{tm1.1Lht}/J

Record Creation Time: 20250513T053727+0000

Record Last Update: 20260815T050638+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4(Cg)-Cdk5^{tm1.1Lht}/J.

No alerts have been found for B6.129S4(Cg)-Cdk5^{tm1.1Lht}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Xu H, et al. (2025) Multimode neural population coding of diverse innate fear response by mitral and tufted cells. Cell reports, 44(9), 116255.

Yin CY, et al. (2021) Neuronal Nitric Oxide Synthase in Nucleus Accumbens Specifically Mediates Susceptibility to Social Defeat Stress through Cyclin-Dependent Kinase 5. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(11), 2523.

Shu Y, et al. (2016) Parkinson-Related LRRK2 Mutation R1628P Enables Cdk5 Phosphorylation of LRRK2 and Upregulates Its Kinase Activity. PloS one, 11(3), e0149739.

Husson H, et al. (2016) Reduction of ciliary length through pharmacologic or genetic inhibition of CDK5 attenuates polycystic kidney disease in a model of nephronophthisis. Human molecular genetics, 25(11), 2245.