

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

LE-*Cdkl5*^{em1}*Sidb*

RRID:RGD_626170603

Type: Organism

Proper Citation

RRID:RGD_626170603

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=626170603>

Proper Citation: RRID:RGD_626170603

Description: Rattus norvegicus with name LE-*Cdkl5*^{em1}*Sidb* from RGD.

Species: Rattus norvegicus

Notes: In collaboration with Horizon Discovery, CRISPR/Cas9 technology was used in Long Evans (LE) embryos to introduce a 10bp deletion in exon 8 of the *Cdkl5* gene (Ensembl coordinates X:35,674,763–35,674,772, in the Rnor_6.0 genome assembly) which results in the introduction of an early stop codon in constitutive exon 9, leading to lack of CDKL5 protein expression. Simons Initiative for the Developing Brain (SIDB), Institute for Neuroscience and Cardiovascular Research, University of Edinburgh, Edinburgh EH8 9XD, UK. Contact SIDB Scientific Officer for enquiries on rat distribution (sidbadm@ed.ac.uk).

Catalog Number: 626170603

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2025-09-02)

Alternate IDs: 626170603

Organism Name: LE-*Cdkl5*^{em1}*Sidb*

Record Creation Time: 20250910T064905+0000

Record Last Update: 20260808T193753+0000

Ratings and Alerts

No rating or validation information has been found for LE-*Cdkl5^{em1Sidb}*.

No alerts have been found for LE-*Cdkl5^{em1Sidb}*.

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.