Resource Summary Report

Generated by dkNET on Sep 8, 2026

LE-*Syngap1*^{em1Sidb}

RRID:RGD_626170599
Type: Organism

Proper Citation

RRID:RGD_626170599

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=626170599

Proper Citation: RRID:RGD_626170599

Description: Rattus norvegicus with name LE-*Syngap1*^{em1Sidb} from RGD.

Species: Rattus norvegicus

Notes: This KO allele was generated by Sigma Advanced Genetic Engineering (SAGE) Labs (St. Louis, MO, US) by injecting CRISPR/Cas9 reagents and sgRNA targeting exon 8 (gtgcatagagcatgtcgtccAGG) into Long Evans (LE) zygotes. Founder #23 displayed a 2bp deletion and 1bp insertion, leading to a frameshift mutation in exon 8 of Syngap1, which prevents expression of the protein. Homozygous Syngap1 KO rats die perinatally, but heterozygous Syngap1 KO rats appear healthy and are fertile. 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: 626170599

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

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

Alternate IDs: 626170599

Organism Name: LE-*Syngap1*^{em1Sidb}

Record Creation Time: 20250910T064905+0000

Record Last Update: 20260905T135247+0000

Ratings and Alerts

No rating or validation information has been found for LE-*Syngap1*^{em1Sidb}.

No alerts have been found for LE-*Syngap1*^{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.