Resource Summary Report

Generated by kravitz2 on Aug 9, 2026

LE-*Syngap1*^{em2Sidb}

RRID:RGD_626170595
Type: Organism

Proper Citation

RRID:RGD_626170595

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=626170595

Proper Citation: RRID:RGD_626170595

Description: Rattus norvegicus with name LE-*Syngap1*^{em2Sidb} from RGD.

Species: Rattus norvegicus

Notes: This allele has a deletion of the C2/GAP domain of Syngap1 and was generated by Sigma Advanced Genetic Engineering (SAGE) Labs (St. Louis, MO, US). Zinc-?nger nucleases (ZFNs) designed to target Syngap1 exons 8–12 were microinjected into the pronucleus of fertilized, single-cell Long Evans (LE) embryos. A 3,584-bp selective deletion and 3-bp insertion were con?rmed by sequencing, which resulted in a mutant protein that was 377 amino acids smaller than endogenous SYNGAP1. 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: 626170595

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

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

Alternate IDs: 626170595

Organism Name: LE-*Syngap1*^{em2Sidb}

Record Creation Time: 20250910T064905+0000

Record Last Update: 20260808T193753+0000

Ratings and Alerts

No rating or validation information has been found for LE-*Syngap1*^{em2Sidb}.

No alerts have been found for LE-*Syngap1*^{em2Sidb}.

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.