

# Resource Summary Report

Generated by [kravitz2](#) on Sep 4, 2026

## LE-Syngap1<sup>em2Sidb</sup>

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<sup>em2Sidb</sup> 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-finger 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 confirmed 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<sup>em2Sidb</sup>

**Record Creation Time:** 20250910T064905+0000

**Record Last Update:** 20260829T185002+0000

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## Ratings and Alerts

No rating or validation information has been found for LE-Syngap1<sup>em2Sidb</sup>.

No alerts have been found for LE-Syngap1<sup>em2Sidb</sup>.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** Rat Genome Database (RGD)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.