

# Resource Summary Report

Generated by [kravitz2](#) on Jul 28, 2026

## LE-Camk2a<sup>tm1</sup>(cre)Sage

RRID:RGD\_12905032

Type: Organism

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### Proper Citation

RRID:RGD\_12905032

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### Organism Information

**URL:** <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=12905032>

**Proper Citation:** RRID:RGD\_12905032

**Description:** Rattus norvegicus with name LE-Camk2a<sup>tm1</sup>(cre)Sage from RGD.

**Species:** Rattus norvegicus

**Notes:** This model expresses cre-recombinase under the control of the endogenous camkIIa promoter enabling specific expression in excitatory neurons. This model possesses a targeted insertion of (IRES)-cre immediately after the translational stop in the open reading frame of CamkIIa. The CamkIIa-Cre rat is useful for applications requiring tissue specific expression, including optogenetics and breeding with transgenic floxed lines. [Horizon Discovery](#)

**Catalog Number:** 12905032

**Background:** mutant

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

**Database Abbreviation:** RGD

**Availability:** Live Animals (as of 2017-05-31)

**Alternate IDs:** 12905032

**Organism Name:** LE-Camk2a<sup>tm1</sup>(cre)Sage

**Record Creation Time:** 20230509T191948+0000

**Record Last Update:** 20260725T194304+0000

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### Ratings and Alerts

No rating or validation information has been found for LE-*Camk2a*<sup>tm1(cre)</sup>Sage.

No alerts have been found for LE-*Camk2a*<sup>tm1(cre)</sup>Sage.

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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 found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Takeuchi Y, et al. (2021) Closed-loop stimulation of the medial septum terminates epileptic seizures. Brain : a journal of neurology, 144(3), 885.