

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

LE-Camk2a^{tm1}(cre)Sage

RRID:RGD_12905032

Type: Organism

Proper Citation

RRID:RGD_12905032

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^{tm1}(cre)Sage from RGD.

Species: Rattus norvegicus

Notes: This model expresses cre-recombinase under the control of the endogenous camk1a 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 Camk1a. The Camk1a-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^{tm1}(cre)Sage

Record Creation Time: 20230509T191948+0000

Record Last Update: 20260808T193743+0000

Ratings and Alerts

No rating or validation information has been found for LE-*Camk2a*^{tm1(cre)}*Sage*.

No alerts have been found for LE-*Camk2a*^{tm1(cre)}*Sage*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#).

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