

Resource Summary Report

Generated by [kravitz2](#) on Jul 29, 2026

SD.LIS-Actb^{tm1(CAG-GCaMP8)}Ksak

RRID:RGD_598092585

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598092585>

Proper Citation: RRID:RGD_598092585

Description: Rattus norvegicus with name SD.LIS-Actb^{tm1(CAG-GCaMP8)}Ksak from RGD.

Species: Rattus norvegicus

Notes: The ES cell line derived from Lister Hooded rats (Seac:LIS), which was established by Prof. Sakimura at Department of Animal Model Development, Brain Research Institute, Niigata University, was used. Cloned ES cells established by introducing a vector of G8CaMP-flox stop at the 3'non-coding site of the Actb gene were injected into fertilized eggs of SD rats (Slc:SD) using a microinjection method. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 598092585

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2025-03-27)

Alternate IDs: 598092585

Organism Name: SD.LIS-Actb^{tm1(CAG-GCaMP8)}Ksak

Record Creation Time: 20250416T090722+0000

Record Last Update: 20260725T194313+0000

Ratings and Alerts

No rating or validation information has been found for SD.LIS-Actb^{tm1(CAG-GCaMP8)}Ksak.

No alerts have been found for SD.LIS-Actb^{tm1(CAG-GCaMP8)}Ksak.

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.