

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

LE-ROSA26^{em1}(CAG-COP4*/EGFP)Kyo

RRID:RGD_12879424

Type: Organism

Proper Citation

RRID:RGD_12879424

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=12879424>

Proper Citation: RRID:RGD_12879424

Description: Rattus norvegicus with name LE-ROSA26^{em1}(CAG-COP4*/EGFP)Kyo from RGD.

Species: Rattus norvegicus

Notes: This strain was established at Kyoto University. ChR90/EGFP fusion gene sequence under CAG promoter is knock-in at the ROSA26 locus. Background strain: Long-Evans strain (Charles River). COP4*: Stigeoclonium helveticum-derived channelrhodopsin (Chronos, ChR90). ROSA26 is a synonym for rat Thumpd3-as1 (RGD:6491660) and is used as an official symbol for rat strain nomenclature. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 12879424

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo; Cryopreserved Sperm (as of 2017-04-19)

Alternate IDs: 12879424

Organism Name: LE-ROSA26^{em1}(CAG-COP4*/EGFP)Kyo

Record Creation Time: 20230509T191947+0000

Record Last Update: 20260919T201845+0000

Ratings and Alerts

No rating or validation information has been found for LE-ROSA26^{em1}(CAG-COP4*/EGFP)Kyo.

No alerts have been found for LE-ROSA26^{em1}(CAG-COP4*/EGFP)Kyo.

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.