

Resource Summary Report

Generated by [kravitz2](#) on Aug 26, 2026

LE.Cg-(ROSA26) [em1\(CAG-Cas9*D10A\)Ottc](#)

RRID:RRRC_00834

Type: Organism

Proper Citation

RRID:RRRC_00834

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=13602097

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Description: Rattus norvegicus with name LE.Cg-(ROSA26) [em1\(CAG-Cas9*D10A\)Ottc](#) from RGD.

Species: Rattus norvegicus

Notes: This mutant strain was created using highly efficient CRISPR-Cas9-mediated homology-directed repair (HDR) in rat spermatogonial stem cell cultures. The CRISPR/Cas9 knock-in rats have cre recombinase-dependent expression of CRISPR associated protein 9 (Cas9) catalytic mutant protein D10A under the control of CAG promoter inserted to the rat ROSA26 locus. ROSA26 is a synonym for rat Thumpd3-as1 (RGD:6491660) and is used as an official symbol for rat strain nomenclature. The resulting mutant rats in Prague-Dawley background was backcrossed with WT LE for three or four generations for studies. [Rat Resource and Research Center](#)

Catalog Number: 00834

Background: mutant

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Unknown

Alternate IDs: RGD_13602097, 13602097, RRRC_834, RRRC_0834, RRRC_00834

Organism Name: LE.Cg-(ROSA26) [em1\(CAG-Cas9*D10A\)Ottc](#)

Record Creation Time: 20230607T202007+0000

Record Last Update: 20260815T100428+0000

Ratings and Alerts

No rating or validation information has been found for LE.Cg-(ROSA26)^{em1}(CAG-Cas9^{D10A})Otc .

No alerts have been found for LE.Cg-(ROSA26)^{em1}(CAG-Cas9^{D10A})Otc .

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

B??ck S, et al. (2019) Neuron-Specific Genome Modification in the Adult Rat Brain Using CRISPR-Cas9 Transgenic Rats. Neuron, 102(1), 105.