

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-GFP.-Mars1*L274G)Esm/J

RRID:IMSR_JAX:028071

Type: Organism

Proper Citation

RRID:IMSR_JAX:028071

Organism Information

URL: <https://www.jax.org/strain/028071>

Proper Citation: RRID:IMSR_JAX:028071

Description: Mus musculus with name C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-GFP.-Mars1*L274G)Esm/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6-Gt(ROSA)26Sor/J. C57BL/6-Gt(ROSA)26Sor/J. C57BL/6-Gt(ROSA)26Sor/J

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano||methionine-tRNA synthetase 1; coisogenic strain|mutant strain: Gt(ROSA)26Sor||Mars1

Affected Gene: gene trap ROSA 26; Philippe Soriano||methionine-tRNA synthetase 1

Genomic Alteration: targeted mutation 1; Erin M Schuman

Catalog Number: JAX:028071

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-GFP.-Mars1*L274G)Esm/J

Record Creation Time: 20250513T053803+0000

Record Last Update: 20260725T044508+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-GFP.-Mars1*L274G)Esm/J.

No alerts have been found for C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-GFP.-Mars1*L274G)Esm/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Xie Y, et al. (2025) Activity-dependent synthesis of Emerin gates neuronal plasticity by regulating proteostasis. Cell reports, 44(4), 115439.

Woo MS, et al. (2025) The immunoproteasome disturbs neuronal metabolism and drives neurodegeneration in multiple sclerosis. Cell, 188(17), 4567.

Svircovich A, et al. (2025) Oxytocin treatment reduces cancer cachexia in a pre-clinical model. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 193, 118825.

Bareja A, et al. (2024) Liver-derived plasminogen mediates muscle stem cell expansion during caloric restriction through the plasminogen receptor Plg-RKT. Cell reports, 43(3), 113881.

Schiapparelli LM, et al. (2022) Activity-Induced Cortical Glutamatergic Neuron Nascent Proteins. The Journal of neuroscience : the official journal of the Society for Neuroscience, 42(42), 7900.