

Resource Summary Report

Generated by [kravitz2](#) on Sep 17, 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: |methionine-tRNA synthetase 1|gene trap ROSA 26; Philippe Soriano; coisogenic strain|mutant strain: |Mars1|Gt(ROSA)26Sor

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

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: 20260912T060542+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 6 mentions in open access literature.

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

Guldner IH, et al. (2026) Ageing promotes microglial accumulation of slow-degrading synaptic proteins. *Nature*, 650(8103), 930.

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.

Sviercovich 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.