

Resource Summary Report

Generated by [Kravitz](#) on Sep 11, 2026

[C57BL/6-Gt\(ROSA\)26Sor^{tm1}\(CAG-ECFP*/Rapgef3/Venus*\)Kama/J](#)

RRID:IMSR_JAX:032205

Type: Organism

Proper Citation

RRID:IMSR_JAX:032205

Organism Information

URL: <https://www.jax.org/strain/032205>

Proper Citation: RRID:IMSR_JAX:032205

Description: Mus musculus with name C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-ECFP*/Rapgef3/Venus*)Kama/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: gene trap ROSA 26; Philippe Soriano; coisogenic strain|mutant strain: Gt(ROSA)26Sor

Affected Gene: gene trap ROSA 26; Philippe Soriano

Genomic Alteration: targeted mutation 1; Kirill Martemyanov

Catalog Number: JAX:032205

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-ECFP*/Rapgef3/Venus*)Kama/J

Record Creation Time: 20250513T053827+0000

Record Last Update: 20260905T044602+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-ECFP*/Rapgef3/Venus*)Kama/J.

No alerts have been found for C57BL/6-Gt(ROSA)26Sor^{tm1}(CAG-ECFP*/Rapgef3/Venus*)Kama/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Davies I, et al. (2025) Chronic GIPR agonism results in pancreatic islet GIPR functional desensitisation. *Molecular metabolism*, 92, 102094.

Zanetti L, et al. (2025) Go/z-biased coupling profile of the dopamine D3 receptor. *bioRxiv* : the preprint server for biology.

Cryan CE, et al. (2025) Bmal1 Modulates Striatal cAMP Signaling and Motor Learning. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(28).

Bartlett AM, et al. (2025) Secretin targets interstitial cells of Cajal to regulate intestinal contractions. *EMBO reports*, 26(23), 6015.

Capozzi ME, et al. (2025) ? Cell G?s signaling is critical for physiological and pharmacological enhancement of insulin secretion. *The Journal of clinical investigation*, 135(16).

Sloan DC, et al. (2025) The G protein modifier KCTD5 tunes the decoding of neuromodulatory signals necessary for motor function in striatal neurons. *PLoS biology*, 23(4), e3003117.

Knuth ER, et al. (2024) Leucine Suppresses ?-Cell cAMP and Glucagon Secretion via a Combination of Cell-Intrinsic and Islet Paracrine Signaling. *Diabetes*, 73(9), 1426.

Noguchi GM, et al. (2024) Urocortin 3 contributes to paracrine inhibition of islet alpha cells in mice. *The Journal of endocrinology*, 261(3).

Griffin H, et al. (2024) MC4R Localizes at Excitatory Postsynaptic and Peri-Postsynaptic Sites of Hypothalamic Neurons in Primary Culture. *Cells*, 13(15).

Sloan DC, et al. (2023) Multiple potassium channel tetramerization domain (KCTD) family members interact with G??, with effects on cAMP signaling. *The Journal of biological chemistry*, 299(3), 102924.

Reddy GR, et al. (2022) Deciphering cellular signals in adult mouse sinoatrial node cells. *iScience*, 25(1), 103693.

Muntean BS, et al. (2021) G α o is a major determinant of cAMP signaling in the pathophysiology of movement disorders. *Cell reports*, 34(5), 108718.

Masuho I, et al. (2020) A Global Map of G Protein Signaling Regulation by RGS Proteins. *Cell*, 183(2), 503.

Doyle TB, et al. (2019) Identification of Novel Adenylyl Cyclase 5 (AC5) Signaling Networks in D1 and D2 Medium Spiny Neurons using Bimolecular Fluorescence Complementation Screening. *Cells*, 8(11).