

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

B6;129S-Rasgrf2^{tm1}(cre/foIA)Hze/J

RRID:IMSR_JAX:022864

Type: Organism

Proper Citation

RRID:IMSR_JAX:022864

Organism Information

URL: <https://www.jax.org/strain/022864>

Proper Citation: RRID:IMSR_JAX:022864

Description: Mus musculus with name B6;129S-Rasgrf2^{tm1}(cre/foIA)Hze/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S-Rasgrf2/J

Notes: gene symbol note: RAS protein-specific guanine nucleotide-releasing factor 2|cre/foIA; mutant stock: Rasgrf2|cre/foIA

Affected Gene: RAS protein-specific guanine nucleotide-releasing factor 2|cre/foIA

Genomic Alteration: targeted mutation 1; Hongkui Zeng

Catalog Number: JAX:022864

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S-Rasgrf2^{tm1}(cre/foIA)Hze/J

Record Creation Time: 20250513T053746+0000

Record Last Update: 20260815T050658+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-Rasgrf2^{tm1}(cre/foIA)Hze/J.

No alerts have been found for B6;129S-Rasgrf2^{tm1(cre/foIA)}Hze/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Palacio-Manzano M, et al. (2026) Proprioceptive cortical neurons implement optimal state estimation. *Current biology* : CB, 36(14), 3623.

Zhang Y, et al. (2024) Long-term mesoscale imaging of 3D intercellular dynamics across a mammalian organ. *Cell*, 187(21), 6104.

Liu Y, et al. (2024) Cell class-specific long-range axonal projections of neurons in mouse whisker-related somatosensory cortices. *eLife*, 13.

Wang Q, et al. (2023) Regional and cell-type-specific afferent and efferent projections of the mouse claustrum. *Cell reports*, 42(2), 112118.

Geng J, et al. (2022) Chronic Ca²⁺ imaging of cortical neurons with long-term expression of GCaMP-X. *eLife*, 11.

Gallero-Salas Y, et al. (2021) Sensory and Behavioral Components of Neocortical Signal Flow in Discrimination Tasks with Short-Term Memory. *Neuron*, 109(1), 135.

Suzuki M, et al. (2021) Double-??Periscope, a tool for multilayer optical recordings, optogenetic stimulations or both. *eLife*, 10.

Kauvar IV, et al. (2020) Cortical Observation by Synchronous Multifocal Optical Sampling Reveals Widespread Population Encoding of Actions. *Neuron*, 107(2), 351.

Zolnik TA, et al. (2020) Layer 6b Is Driven by Intracortical Long-Range Projection Neurons. *Cell reports*, 30(10), 3492.

Suzuki M, et al. (2020) General Anesthesia Decouples Cortical Pyramidal Neurons. *Cell*, 180(4), 666.

Gilad A, et al. (2018) Behavioral Strategy Determines Frontal or Posterior Location of Short-Term Memory in Neocortex. *Neuron*, 99(4), 814.