

# Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

## FVB.129S6-Gt(ROSA)26Sor<sup>tm2</sup>(HIF1A/luc)Kael/J

RRID:IMSR\_JAX:006206

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:006206

### Organism Information

**URL:** <https://www.jax.org/strain/006206>

**Proper Citation:** RRID:IMSR\_JAX:006206

**Description:** Mus musculus with name FVB.129S6-Gt(ROSA)26Sor<sup>tm2</sup>(HIF1A/luc)Kael/J from IMSR.

**Species:** Mus musculus

**Synonyms:** FVB.129S6-Gt(ROSA)26Sor/J

**Notes:** gene symbol note: luciferase|hypoxia inducible factor 1 subunit alpha|gene trap ROSA 26; Philippe Soriano; mutant strain|congenic strain: luc|HIF1A|Gt(ROSA)26Sor

**Affected Gene:** luciferase|hypoxia inducible factor 1 subunit alpha|gene trap ROSA 26; Philippe Soriano

**Genomic Alteration:** targeted mutation 2; William G Kaelin

**Catalog Number:** JAX:006206

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** FVB.129S6-Gt(ROSA)26Sor<sup>tm2</sup>(HIF1A/luc)Kael/J

**Record Creation Time:** 20250513T053655+0000

**Record Last Update:** 20260725T044406+0000

### Ratings and Alerts

No rating or validation information has been found for FVB.129S6-Gt(ROSA)26Sor<sup>tm2(HIF1A/luc)</sup>Kael/J.

No alerts have been found for FVB.129S6-Gt(ROSA)26Sor<sup>tm2(HIF1A/luc)</sup>Kael/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Evers SS, et al. (2022) Gut HIF2 $\alpha$  signaling is increased after VSG, and gut activation of HIF2 $\alpha$  decreases weight, improves glucose, and increases GLP-1 secretion. Cell reports, 38(3), 110270.

Shao Y, et al. (2022) Vertical sleeve gastrectomy increases duodenal Lactobacillus spp. richness associated with the activation of intestinal HIF2 $\alpha$  signaling and metabolic benefits. Molecular metabolism, 57, 101432.

Shao W, et al. (2020) Serum lipoprotein-derived fatty acids regulate hypoxia-inducible factor. The Journal of biological chemistry, 295(52), 18284.

Eckle T, et al. (2013) HIF1A reduces acute lung injury by optimizing carbohydrate metabolism in the alveolar epithelium. PLoS biology, 11(9), e1001665.