Resource Summary Report

Generated by SPARC SAWG on Jul 30, 2026

FVB.129S6-Gt(ROSA)26Sor$^{tm2(HIF1A/luc)Kael}$/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$^{tm2(HIF1A/luc)Kael}$/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$^{tm2(HIF1A/luc)Kael}$/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$^{tm2(HIF1A/luc)Kael}/J$.

No alerts have been found for FVB.129S6-Gt(ROSA)26Sor$^{tm2(HIF1A/luc)Kael}/J$.

Data and Source Information

Source: Integrated Animals

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Evers SS, et al. (2022) Gut HIF2? signaling is increased after VSG, and gut activation of HIF2? 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? 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.