

Resource Summary Report

Generated by [NIF](#) on Sep 17, 2026

B6.129S4(C)-Vhl^{tm1Jae}/J

RRID:IMSR_JAX:012933

Type: Organism

Proper Citation

RRID:IMSR_JAX:012933

Organism Information

URL: <https://www.jax.org/strain/012933>

Proper Citation: RRID:IMSR_JAX:012933

Description: Mus musculus with name B6.129S4(C)-Vhl^{tm1Jae}/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Vhl/J

Notes: gene symbol note: von Hippel-Lindau tumor suppressor; mutant strain|congenic strain: Vhl

Affected Gene: von Hippel-Lindau tumor suppressor

Genomic Alteration: targeted mutation 1; Rudolf Jaenisch

Catalog Number: JAX:012933

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S4(C)-Vhl^{tm1Jae}/J

Record Creation Time: 20250513T053723+0000

Record Last Update: 20260912T060509+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4(C)-Vhl^{tm1Jae}/J.

No alerts have been found for B6.129S4(C)-Vhl^{tm1Jae}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Lu IL, et al. (2026) Hypoxia-inducible factor signaling regulates embryonic interneuron development, GRIN2B expression and adult cortical function. *Developmental cell*, 61(4), 773.

Davanzo GG, et al. (2026) Temporal control of macrophage pro-inflammatory phenotype by a biphasic HIF-1 α regulatory program. *Molecular cell*.

Lima JDCC, et al. (2025) HIF α isoform specific activities drive cell-type specificity of VHL-associated oncogenesis. *Nature communications*, 16(1), 9185.

Kurlekar S, et al. (2024) Oncogenic Cell Tagging and Single-Cell Transcriptomics Reveal Cell Type-Specific and Time-Resolved Responses to Vhl Inactivation in the Kidney. *Cancer research*, 84(11), 1799.

Chicana B, et al. (2022) Deletion of Vhl in Dmp1-Expressing Cells Causes Microenvironmental Impairment of B Cell Lymphopoiesis. *Frontiers in immunology*, 13, 780945.

Zhang S, et al. (2021) HIF α Regulates Developmental Myelination Independent of Autocrine Wnt Signaling. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(2), 251.

Zhang S, et al. (2020) Glial type specific regulation of CNS angiogenesis by HIF α -activated different signaling pathways. *Nature communications*, 11(1), 2027.

Espana-Agusti J, et al. (2016) Generation and Characterisation of a Pax8-CreERT2 Transgenic Line and a Slc22a6-CreERT2 Knock-In Line for Inducible and Specific Genetic Manipulation of Renal Tubular Epithelial Cells. *PloS one*, 11(2), e0148055.

Espana-Agusti J, et al. (2015) A minimally invasive, lentiviral based method for the rapid and sustained genetic manipulation of renal tubules. *Scientific reports*, 5, 11061.