

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

B6;129S-F8^{tm1Kaz}/J

RRID:IMSR_JAX:004424

Type: Organism

Proper Citation

RRID:IMSR_JAX:004424

Organism Information

URL: <https://www.jax.org/strain/004424>

Proper Citation: RRID:IMSR_JAX:004424

Description: Mus musculus with name B6;129S-F8^{tm1Kaz}/J from IMSR.

Species: Mus musculus

Synonyms: B6;129S4-F8/J

Notes: gene symbol note: coagulation factor VIII; mutant stock: F8

Affected Gene: coagulation factor VIII

Genomic Alteration: targeted mutation 1; Haig H Kazazian Jr

Catalog Number: JAX:004424

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: B6;129S-F8^{tm1Kaz}/J

Record Creation Time: 20250513T053644+0000

Record Last Update: 20260912T060429+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S-F8^{tm1Kaz}/J.

No alerts have been found for B6;129S-F8^{tm1Kaz}/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](#) .

Esposito F, et al. (2024) Safe and effective liver-directed AAV-mediated homology-independent targeted integration in mouse models of inherited diseases. *Cell reports. Medicine*, 5(7), 101619.

Knowles LM, et al. (2024) Clotting Promotes Glioma Growth and Infiltration Through Activation of Focal Adhesion Kinase. *Cancer research communications*, 4(12), 3124.

Greig JA, et al. (2022) Determining the Minimally Effective Dose of a Clinical Candidate Adeno-Associated Virus Vector in a Mouse Model of Hemophilia A. *Human gene therapy*, 33(7-8), 421.

Milani M, et al. (2022) Liver-directed lentiviral gene therapy corrects hemophilia A mice and achieves normal-range factor VIII activity in non-human primates. *Nature communications*, 13(1), 2454.

Kao YT, et al. (2021) Novel Coagulation Factor VIII Gene Therapy in a Mouse Model of Hemophilia A by Lipid-Coated Fe₃O₄ Nanoparticles. *Biomedicines*, 9(9).

Cao W, et al. (2020) Minimal Essential Human Factor VIII Alterations Enhance Secretion and Gene Therapy Efficiency. *Molecular therapy. Methods & clinical development*, 19, 486.

Gao K, et al. (2019) Potential long-term treatment of hemophilia A by neonatal co-transplantation of cord blood-derived endothelial colony-forming cells and placental mesenchymal stromal cells. *Stem cell research & therapy*, 10(1), 34.

Wakabayashi T, et al. (2018) CD157 Marks Tissue-Resident Endothelial Stem Cells with Homeostatic and Regenerative Properties. *Cell stem cell*, 22(3), 384.

van der Flier A, et al. (2015) FcRn Rescues Recombinant Factor VIII Fc Fusion Protein from a VWF Independent FVIII Clearance Pathway in Mouse Hepatocytes. *PloS one*, 10(4), e0124930.