

# Resource Summary Report

Generated by ASWG on Aug 12, 2026

## B6;129S-F8<sup>tm1Kaz/J</sup>

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<sup>tm1Kaz/J</sup> 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<sup>tm1Kaz/J</sup>

**Record Creation Time:** 20250513T053644+0000

**Record Last Update:** 20260808T050846+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129S-F8<sup>tm1Kaz/J</sup>.

No alerts have been found for B6;129S-F8<sup>tm1Kaz/J</sup>.

---

## 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 [ASWG](#) .

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 Fe<sub>3</sub>O<sub>4</sub> 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.