

Resource Summary Report

Generated by [NIF](#) on Aug 30, 2026

B6;129S1-Eed^{tm1Sho}/J

RRID:IMSR_JAX:022727

Type: Organism

Proper Citation

RRID:IMSR_JAX:022727

Organism Information

URL: <https://www.jax.org/strain/022727>

Proper Citation: RRID:IMSR_JAX:022727

Description: Mus musculus with name B6;129S1-Eed^{tm1Sho}/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Eed/J

Notes: gene symbol note: embryonic ectoderm development; mutant stock: Eed

Affected Gene: embryonic ectoderm development

Genomic Alteration: targeted mutation 1; Stuart Orkin

Catalog Number: JAX:022727

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129S1-Eed^{tm1Sho}/J

Record Creation Time: 20250513T053746+0000

Record Last Update: 20260829T045049+0000

Ratings and Alerts

No rating or validation information has been found for B6;129S1-Eed^{tm1Sho}/J.

No alerts have been found for B6;129S1-Eed^{tm1Sho}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Dror E, et al. (2023) Epigenetic dosage identifies two major and functionally distinct ? cell subtypes. *Cell metabolism*, 35(5), 821.

Matoba S, et al. (2022) Noncanonical imprinting sustains embryonic development and restrains placental overgrowth. *Genes & development*, 36(7-8), 483.

Lowe MG, et al. (2022) EED is required for mouse primordial germ cell differentiation in the embryonic gonad. *Developmental cell*, 57(12), 1482.

Evans MK, et al. (2020) Ybx1 fine-tunes PRC2 activities to control embryonic brain development. *Nature communications*, 11(1), 4060.

Gentile C, et al. (2019) PRC2-Associated Chromatin Contacts in the Developing Limb Reveal a Possible Mechanism for the Atypical Role of PRC2 in HoxA Gene Expression. *Developmental cell*, 50(2), 184.

Inoue A, et al. (2018) Maternal Eed knockout causes loss of H3K27me3 imprinting and random X inactivation in the extraembryonic cells. *Genes & development*, 32(23-24), 1525.

Lu TT, et al. (2018) The Polycomb-Dependent Epigenome Controls ? Cell Dysfunction, Dedifferentiation, and Diabetes. *Cell metabolism*, 27(6), 1294.

Ma KH, et al. (2018) Polycomb repression regulates Schwann cell proliferation and axon regeneration after nerve injury. *Glia*, 66(11), 2487.