

Resource Summary Report

Generated by [NIF](#) on Aug 11, 2026

129S-Efnb1^{tm1Sor}/J

RRID:IMSR_JAX:007664

Type: Organism

Proper Citation

RRID:IMSR_JAX:007664

Organism Information

URL: <https://www.jax.org/strain/007664>

Proper Citation: RRID:IMSR_JAX:007664

Description: Mus musculus with name 129S-Efnb1^{tm1Sor}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: ephrin B1; mutant stock: Efnb1

Affected Gene: ephrin B1

Genomic Alteration: targeted mutation 1; Philippe Soriano

Catalog Number: JAX:007664

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: 129S-Efnb1^{tm1Sor}/J

Record Creation Time: 20250513T053703+0000

Record Last Update: 20260808T050907+0000

Ratings and Alerts

No rating or validation information has been found for 129S-Efnb1^{tm1Sor}/J.

No alerts have been found for 129S-Efnb1^{tm1Sor}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Bereza S, et al. (2022) Craniomaxillofacial morphology in a murine model of ephrinB1 conditional deletion in osteoprogenitor cells. Archives of oral biology, 137, 105389.

Arthur A, et al. (2020) Conditional knockout of ephrinB1 in osteogenic progenitors delays the process of endochondral ossification during fracture repair. Bone, 132, 115189.

Nguyen AQ, et al. (2020) Astrocytic Ephrin-B1 Controls Synapse Formation in the Hippocampus During Learning and Memory. Frontiers in synaptic neuroscience, 12, 10.

Nguyen AQ, et al. (2020) Astrocytic Ephrin-B1 Controls Excitatory-Inhibitory Balance in Developing Hippocampus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(36), 6854.

Arthur A, et al. (2018) The osteoprogenitor-specific loss of ephrinB1 results in an osteoporotic phenotype affecting the balance between bone formation and resorption. Scientific reports, 8(1), 12756.

Koeppen J, et al. (2018) Functional Consequences of Synapse Remodeling Following Astrocyte-Specific Regulation of Ephrin-B1 in the Adult Hippocampus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(25), 5710.