

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

B6;129-Eif2s1^{tm1Rjk}/J

RRID:IMSR_JAX:017601

Type: Organism

Proper Citation

RRID:IMSR_JAX:017601

Organism Information

URL: <https://www.jax.org/strain/017601>

Proper Citation: RRID:IMSR_JAX:017601

Description: Mus musculus with name B6;129-Eif2s1^{tm1Rjk}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129-Eif2s1/J

Notes: gene symbol note: eukaryotic translation initiation factor 2; subunit 1 alpha; mutant stock: Eif2s1

Affected Gene: eukaryotic translation initiation factor 2; subunit 1 alpha

Genomic Alteration: targeted mutation 1; Randal J Kaufman

Catalog Number: JAX:017601

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Eif2s1^{tm1Rjk}/J

Record Creation Time: 20250513T053733+0000

Record Last Update: 20260912T060519+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Eif2s1^{tm1Rjk}/J.

No alerts have been found for B6;129-Eif2s1^{tm1Rjk}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Alkaslasi MR, et al. (2025) The transcriptional response of cortical neurons to concussion reveals divergent fates after injury. Nature communications, 16(1), 1097.

Alkaslasi MR, et al. (2024) The transcriptional response of cortical neurons to concussion reveals divergent fates after injury. bioRxiv : the preprint server for biology.

Yung HW, et al. (2023) Perturbation of placental protein glycosylation by endoplasmic reticulum stress promotes maladaptation of maternal hepatic glucose metabolism. iScience, 26(1), 105911.

Riesenberg BP, et al. (2022) Stress-Mediated Attenuation of Translation Undermines T-cell Activity in Cancer. Cancer research, 82(23), 4386.

Taha E, et al. (2020) eEF2/eEF2K Pathway in the Mature Dentate Gyrus Determines Neurogenesis Level and Cognition. Current biology : CB, 30(18), 3507.