

# Resource Summary Report

Generated by [nidm-terms](#) on Jul 30, 2026

## B6;129-Eif2s1<sup>tm1Rjk</sup>/J

RRID:IMSR\_JAX:017601

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:017601

### Organism Information

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

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**Description:** Mus musculus with name B6;129-Eif2s1<sup>tm1Rjk</sup>/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<sup>tm1Rjk</sup>/J

**Record Creation Time:** 20250513T053733+0000

**Record Last Update:** 20260725T044441+0000

### Ratings and Alerts

No rating or validation information has been found for B6;129-Eif2s1<sup>tm1Rjk</sup>/J.

No alerts have been found for B6;129-Eif2s1<sup>tm1Rjk</sup>/J.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [nidm-terms](#) .

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.