

# Resource Summary Report

Generated by [ASWG](#) on Sep 2, 2026

## C.129S4-Eif4ebp1<sup>tm1Nso</sup>/J

RRID:IMSR\_JAX:031225

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:031225

### Organism Information

**URL:** <https://www.jax.org/strain/031225>

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**Description:** Mus musculus with name C.129S4-Eif4ebp1<sup>tm1Nso</sup>/J from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: eukaryotic translation initiation factor 4E binding protein 1; mutant strain|congenic strain: Eif4ebp1

**Affected Gene:** eukaryotic translation initiation factor 4E binding protein 1

**Genomic Alteration:** targeted mutation 1; Nahum Sonenberg

**Catalog Number:** JAX:031225

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** C.129S4-Eif4ebp1<sup>tm1Nso</sup>/J

**Record Creation Time:** 20250513T053821+0000

**Record Last Update:** 20260829T045132+0000

### Ratings and Alerts

No rating or validation information has been found for C.129S4-Eif4ebp1<sup>tm1Nso</sup>/J.

No alerts have been found for C.129S4-Eif4ebp1<sup>tm1Nso</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 1 mentions in open access literature.

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

Huang Z, et al. (2025) Hippocampal Inhibitory Interneuron-Specific DREADDs Treatment Alters mTORC1-4E-BP Signaling and Impairs Memory Formation. Journal of neurochemistry, 169(3), e70048.