

Resource Summary Report

Generated by [NIF](#) on Sep 5, 2026

C.129S4-Eif4ebp1^{tm1Nso}/J

RRID:IMSR_JAX:031225

Type: Organism

Proper Citation

RRID:IMSR_JAX:031225

Organism Information

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

Proper Citation: RRID:IMSR_JAX:031225

Description: Mus musculus with name C.129S4-Eif4ebp1^{tm1Nso}/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^{tm1Nso}/J

Record Creation Time: 20250513T053821+0000

Record Last Update: 20260905T044556+0000

Ratings and Alerts

No rating or validation information has been found for C.129S4-Eif4ebp1^{tm1Nso}/J.

No alerts have been found for C.129S4-Eif4ebp1^{tm1Nso}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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.