

Resource Summary Report

Generated by [dkNET](#) on Sep 16, 2026

B6;129-Eif2ak4^{tm1.1Dron}/J

RRID:IMSR_JAX:008452

Type: Organism

Proper Citation

RRID:IMSR_JAX:008452

Organism Information

URL: <https://www.jax.org/strain/008452>

Proper Citation: RRID:IMSR_JAX:008452

Description: Mus musculus with name B6;129-Eif2ak4^{tm1.1Dron}/J from IMSR.

Species: Mus musculus

Synonyms: STOCK Eif2ak4/J

Notes: gene symbol note: eukaryotic translation initiation factor 2 alpha kinase 4; mutant stock: Eif2ak4

Affected Gene: eukaryotic translation initiation factor 2 alpha kinase 4

Genomic Alteration: targeted mutation 1.1; David Ron

Catalog Number: JAX:008452

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6;129-Eif2ak4^{tm1.1Dron}/J

Record Creation Time: 20250513T053709+0000

Record Last Update: 20260912T060454+0000

Ratings and Alerts

No rating or validation information has been found for B6;129-Eif2ak4^{tm1.1Dron}/J.

No alerts have been found for B6;129-Eif2ak4^{tm1.1Dron}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

St Paul M, et al. (2024) Ex vivo activation of the GCN2 pathway metabolically reprograms T cells, leading to enhanced adoptive cell therapy. Cell reports. Medicine, 5(3), 101465.

Yu D, et al. (2021) The adverse metabolic effects of branched-chain amino acids are mediated by isoleucine and valine. Cell metabolism, 33(5), 905.