

Resource Summary Report

Generated by [NIF](#) on Sep 12, 2026

B6J.129P2-Hmox1^{tm1Mym}/MymRbrc

RRID:IMSR_RBRC03163

Type: Organism

Proper Citation

RRID:IMSR_RBRC03163

Organism Information

URL: <https://brc.riken.jp/mus/RBRC03163>

Proper Citation: RRID:IMSR_RBRC03163

Description: Mus musculus with name B6J.129P2-Hmox1^{tm1Mym}/MymRbrc from IMSR.

Species: Mus musculus

Notes: gene symbol note: heme oxygenase 1; mutant strain: Hmox1

Affected Gene: heme oxygenase 1

Genomic Alteration: targeted mutation 1; Masayuki Yamamoto

Catalog Number: RBRC03163

Database: RIKEN BioResource Research Center

Database Abbreviation: RBRC

Availability: embryo

Organism Name: B6J.129P2-Hmox1^{tm1Mym}/MymRbrc

Record Creation Time: 20250513T061450+0000

Record Last Update: 20260905T052421+0000

Ratings and Alerts

No rating or validation information has been found for B6J.129P2-Hmox1^{tm1Mym}/MymRbrc.

No alerts have been found for B6J.129P2-Hmox1^{tm1Mym}/MymRbrc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Kaiser S, et al. (2025) Severity of Repetitive Mild Traumatic Brain Injury Depends on Microglial Heme Oxygenase-1 and Carbon Monoxide. The European journal of neuroscience, 61(2), e16666.

Kaiser S, et al. (2024) Neuroprotection via Carbon Monoxide Depends on the Circadian Regulation of CD36-Mediated Microglial Erythrophagocytosis in Hemorrhagic Stroke. International journal of molecular sciences, 25(3).

Alves de Souza RW, et al. (2021) Skeletal muscle heme oxygenase-1 activity regulates aerobic capacity. Cell reports, 35(3), 109018.