

Resource Summary Report

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

B6.129S1-Mapk8^{tm1Flv/J}

RRID:IMSR_JAX:004319

Type: Organism

Proper Citation

RRID:IMSR_JAX:004319

Organism Information

URL: <https://www.jax.org/strain/004319>

Proper Citation: RRID:IMSR_JAX:004319

Description: Mus musculus with name B6.129S1-Mapk8^{tm1Flv/J} from IMSR.

Species: Mus musculus

Synonyms: B6.129-Mapk8/J

Notes: gene symbol note: mitogen-activated protein kinase 8; mutant strain|congenic strain: Mapk8

Affected Gene: mitogen-activated protein kinase 8

Genomic Alteration: targeted mutation 1; Richard Flavell

Catalog Number: JAX:004319

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S1-Mapk8^{tm1Flv/J}

Record Creation Time: 20250513T053644+0000

Record Last Update: 20260829T044934+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S1-Mapk8^{tm1Flv/J}.

No alerts have been found for B6.129S1-Mapk8^{tm1Flv}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Komulainen E, et al. (2020) Impact of JNK and Its Substrates on Dendritic Spine Morphology. *Cells*, 9(2).

Martínez-Sánchez N, et al. (2017) Hypothalamic AMPK-ER Stress-JNK1 Axis Mediates the Central Actions of Thyroid Hormones on Energy Balance. *Cell metabolism*, 26(1), 212.

Ramo K, et al. (2016) Suppression of ischemia in arterial occlusive disease by JNK-promoted native collateral artery development. *eLife*, 5.

Maroso M, et al. (2016) Cannabinoid Control of Learning and Memory through HCN Channels. *Neuron*, 89(5), 1059.

Heinonen KM, et al. (2011) Wnt4 enhances murine hematopoietic progenitor cell expansion through a planar cell polarity-like pathway. *PloS one*, 6(4), e19279.