

Resource Summary Report

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

[Mef2c^{tm1Eno}/Mef2c⁺](#)

RRID:MGI:3719006

Type: Organism

Proper Citation

RRID:MGI:3719006

Organism Information

URL:

Proper Citation: RRID:MGI:3719006

Description: Allele Detail: Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Targeted This is a legacy resource.

Phenotype: failure of sternum ossification, mortality/aging

Affected Gene: Mef2c

Genomic Alteration: tm1Eno

Catalog Number: 3719006

Background: involves: 129S7/SvEvBrd

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:17336904](#), [PMID:17420000](#)

Organism Name: Mef2c^{tm1Eno}/Mef2c⁺

Record Creation Time: 20240120T190508+0000

Record Last Update: 20240130T201935+0000

Ratings and Alerts

No rating or validation information has been found for Mef2c^{tm1Eno}/Mef2c⁺.

No alerts have been found for Mef2c^{tm1Eno}/Mef2c⁺.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Cho JY, et al. (2024) MEF2C Hypofunction in GABAergic Cells Alters Sociability and Prefrontal Cortex Inhibitory Synaptic Transmission in a Sex-Dependent Manner. Biological psychiatry global open science, 4(2), 100289.

Putman JN, et al. (2024) Pre- and Postsynaptic MEF2C Promotes Experience-Dependent, Input-Specific Development of Cortical Layer 4 to Layer 2/3 Excitatory Synapses and Regulates Activity-Dependent Expression of Synaptic Cell Adhesion Molecules. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(45).

Bjorness TE, et al. (2020) An essential role for MEF2C in the cortical response to loss of sleep in mice. eLife, 9.

Harrington AJ, et al. (2020) MEF2C Hypofunction in Neuronal and Neuroimmune Populations Produces MEF2C Haploinsufficiency Syndrome-like Behaviors in Mice. Biological psychiatry, 88(6), 488.