

Resource Summary Report

Generated by [NIF](#) on Aug 15, 2026

[Npas4^{tm1Meg}/Npas4^{tm1Meg}](#)

RRID:MGI:3828101

Type: Organism

Proper Citation

RRID:MGI:3828101

Organism Information

URL:

Proper Citation: RRID:MGI:3828101

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

Species: Mus musculus

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

Phenotype: hyperactivity, seizures, nervous system phenotype, increased anxiety-related response, premature death

Affected Gene: Npas4

Genomic Alteration: tm1Meg

Catalog Number: 3828101

Background: involves: C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:18815592](#)

Organism Name: Npas4^{tm1Meg}/Npas4^{tm1Meg}

Record Creation Time: 20240120T190400+0000

Record Last Update: 20240130T201857+0000

Ratings and Alerts

No rating or validation information has been found for Npas4^{tm1Meg}/Npas4^{tm1Meg}.

No alerts have been found for Npas4^{tm1Meg}/Npas4^{tm1Meg}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wolf D, et al. (2026) Deletion of NPAS4 in olfactory bulb principal neurons alters E/I balance and impairs decoding of chemically similar odour molecules. The Journal of physiology, 604(1), 527.

Funahashi Y, et al. (2019) Phosphorylation of Npas4 by MAPK Regulates Reward-Related Gene Expression and Behaviors. Cell reports, 29(10), 3235.