

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

B6.Cg-Zfp335^{tm1.2Caw} Emx1/J

RRID:IMSR_JAX:022762

Type: Organism

Proper Citation

RRID:IMSR_JAX:022762

Organism Information

URL: <https://www.jax.org/strain/022762>

Proper Citation: RRID:IMSR_JAX:022762

Description: Mus musculus with name B6.Cg-Zfp335^{tm1.2Caw} Emx1/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |empty spiracles homeobox 1|zinc finger protein 335; mutant strain|congenic strain: |Emx1|Zfp335

Affected Gene: |empty spiracles homeobox 1|zinc finger protein 335

Genomic Alteration: targeted mutation 1; Kevin R Jones|targeted mutation 1.2; Christopher A Walsh

Catalog Number: JAX:022762

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.Cg-Zfp335^{tm1.2Caw} Emx1/J

Record Creation Time: 20250513T053746+0000

Record Last Update: 20260808T050951+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Zfp335^{tm1.2Caw} Emx1/J.

No alerts have been found for B6.Cg-Zfp335^{tm1.2Caw} Emx1/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Lodes DE, et al. (2022) E3 ubiquitin ligase Nedd4-2 exerts neuroprotective effects during endoplasmic reticulum stress. *Journal of neurochemistry*, 160(6), 613.

Eagleman DE, et al. (2021) Unbiased proteomic screening identifies a novel role for the E3 ubiquitin ligase Nedd4-2 in translational suppression during ER stress. *Journal of neurochemistry*, 157(6), 1809.

Wang M, et al. (2021) Oligophrenin-1 moderates behavioral responses to stress by regulating parvalbumin interneuron activity in the medial prefrontal cortex. *Neuron*, 109(10), 1636.

Mukai J, et al. (2019) Recapitulation and Reversal of Schizophrenia-Related Phenotypes in Setd1a-Deficient Mice. *Neuron*, 104(3), 471.

Zhu J, et al. (2019) C2-lacking isoform of Nedd4-2 regulates excitatory synaptic strength through GluA1 ubiquitination-independent mechanisms. *Journal of neurochemistry*, 151(3), 289.

Shin J, et al. (2017) Characterization of developmental defects in the forebrain resulting from hyperactivated mTOR signaling by integrative analysis of transcriptomic and proteomic data. *Scientific reports*, 7(1), 2826.