

Resource Summary Report

Generated by [RRID](#) on Jul 29, 2026

C57BL/6-MageI2^{tm1Stw/J}

RRID:IMSR_JAX:009062

Type: Organism

Proper Citation

RRID:IMSR_JAX:009062

Organism Information

URL: <https://www.jax.org/strain/009062>

Proper Citation: RRID:IMSR_JAX:009062

Description: Mus musculus with name C57BL/6-MageI2^{tm1Stw/J} from IMSR.

Species: Mus musculus

Notes: gene symbol note: beta-galactosidase|MAGE family member L2; coisogenic strain: lacZ|MageI2

Affected Gene: beta-galactosidase|MAGE family member L2

Genomic Alteration: targeted mutation 1; Colin L Stewart

Catalog Number: JAX:009062

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6-MageI2^{tm1Stw/J}

Record Creation Time: 20250513T053712+0000

Record Last Update: 20260725T044423+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6-MageI2^{tm1Stw/J}.

No alerts have been found for C57BL/6-MageI2^{tm1Stw/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 [RRID](#) .

Queen NJ, et al. (2025) Environmental Enrichment Normalizes Metabolic Function in the Murine Model of Prader-Willi Syndrome Magel2-Null Mice. *Endocrinology*, 166(3).

Ben-Cnaan E, et al. (2022) The Metabolic Efficacy of a Cannabidiolic Acid (CBDA) Derivative in Treating Diet- and Genetic-Induced Obesity. *International journal of molecular sciences*, 23(10).

Carias KV, et al. (2020) A MAGEL2-deubiquitinase complex modulates the ubiquitination of circadian rhythm protein CRY1. *PLoS one*, 15(4), e0230874.

Crutcher E, et al. (2019) mTOR and autophagy pathways are dysregulated in murine and human models of Schaaf-Yang syndrome. *Scientific reports*, 9(1), 15935.

Knani I, et al. (2016) Targeting the endocannabinoid/CB1 receptor system for treating obesity in Prader-Willi syndrome. *Molecular metabolism*, 5(12), 1187.

Mercer RE, et al. (2013) Magel2 is required for leptin-mediated depolarization of POMC neurons in the hypothalamic arcuate nucleus in mice. *PLoS genetics*, 9(1), e1003207.