

Resource Summary Report

Generated by [dkNET](#) on Sep 19, 2026

STOCK Igs2^{tm1.1(CAG-cas9*)}Mmw/J

RRID:IMSR_JAX:027650

Type: Organism

Proper Citation

RRID:IMSR_JAX:027650

Organism Information

URL: <https://www.jax.org/strain/027650>

Proper Citation: RRID:IMSR_JAX:027650

Description: Mus musculus with name STOCK Igs2^{tm1.1(CAG-cas9*)}Mmw/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: |intergenic site 2|CRISPR associated protein 9; mutant stock: |Igs2|cas9

Affected Gene: |intergenic site 2|CRISPR associated protein 9

Genomic Alteration: targeted mutation 1.1; Monte Winslow

Catalog Number: JAX:027650

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: STOCK Igs2^{tm1.1(CAG-cas9*)}Mmw/J

Record Creation Time: 20250513T053801+0000

Record Last Update: 20260919T054946+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Igs2^{tm1.1(CAG-cas9*)}Mmw/J.

No alerts have been found for STOCK Igs2^{tm1.1(CAG-cas9*)}Mmw/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Ogawa Y, et al. (2025) Hide-and-Seek genome editing reveals that Gephyrin is required for axo-axonic synapse assembly. *Proceedings of the National Academy of Sciences of the United States of America*, 122(32), e2500726122.

Verpoort B, et al. (2025) A postsynaptic GPR158-PLCXD2 complex controls spine apparatus abundance and dendritic spine maturation. *Developmental cell*.

Escobedo G, et al. (2024) An evolutionarily conserved AnkyrinG-dependent motif clusters axonal K2P K⁺ channels. *The Journal of cell biology*, 223(10).

Ogawa Y, et al. (2023) Antibody-directed extracellular proximity biotinylation reveals Contactin-1 regulates axo-axonic innervation of axon initial segments. *bioRxiv : the preprint server for biology*.

Ogawa Y, et al. (2023) Antibody-directed extracellular proximity biotinylation reveals that Contactin-1 regulates axo-axonic innervation of axon initial segments. *Nature communications*, 14(1), 6797.

Leeper K, et al. (2021) Lineage barcoding in mice with homing CRISPR. *Nature protocols*, 16(4), 2088.

Lindborg JA, et al. (2021) Optic nerve regeneration screen identifies multiple genes restricting adult neural repair. *Cell reports*, 34(9), 108777.

Nishiyama J, et al. (2017) Virus-Mediated Genome Editing via Homology-Directed Repair in Mitotic and Postmitotic Cells in Mammalian Brain. *Neuron*, 96(4), 755.