

Resource Summary Report

Generated by [NIF](#) on Sep 23, 2026

[Opn1mw^{tm1a}\(EUComm\)Wtsi](#)

RRID:IMSR_EUMMCR:9166

Type: Organism

Proper Citation

RRID:IMSR_EUMMCR:9166

Organism Information

URL:

Proper Citation: RRID:IMSR_EUMMCR:9166

Description: Mus musculus with name Opn1mw^{tm1a}(EUComm)Wtsi from IMSR.

Species: Mus musculus

Notes: gene symbol note: opsin 1 (cone pigments); medium-wave-sensitive (color blindness; deutan); mutant strain: Opn1mw

Affected Gene: opsin 1 (cone pigments); medium-wave-sensitive (color blindness; deutan)

Genomic Alteration: targeted mutation 1a; Wellcome Trust Sanger Institute

Catalog Number: EUMMCR:9166

Database: European Mouse Mutant Cell Repository

Database Abbreviation: EuMMCR

Availability: ES Cell

Organism Name: Opn1mw^{tm1a}(EUComm)Wtsi

Record Creation Time: 20250513T061842+0000

Record Last Update: 20260919T063658+0000

Ratings and Alerts

No rating or validation information has been found for Opn1mw^{tm1a}(EUComm)Wtsi.

No alerts have been found for *Opn1mw^{tm1a}(EUCOMM)Wtsi*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Cell Repository

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Davis NM, et al. (2021) Metabolomic Analysis of Diverse Mice Reveals Hepatic Arginase-1 as Source of Plasma Arginase in *Plasmodium chabaudi* Infection. *mBio*, 12(5), e0242421.

Lissner MM, et al. (2020) Metabolic profiling during malaria reveals the role of the aryl hydrocarbon receptor in regulating kidney injury. *eLife*, 9.

Ott M, et al. (2019) Laquinimod, a prototypic quinoline-3-carboxamide and aryl hydrocarbon receptor agonist, utilizes a CD155-mediated natural killer/dendritic cell interaction to suppress CNS autoimmunity. *Journal of neuroinflammation*, 16(1), 49.

Yi P, et al. (2017) A tightly regulated IL-22 response maintains immune functions and homeostasis in systemic viral infection. *Scientific reports*, 7(1), 3857.

Unnisa Z, et al. (2016) Aryl Hydrocarbon Receptor Deficiency in an Exon 3 Deletion Mouse Model Promotes Hematopoietic Stem Cell Proliferation and Impacts Endosteal Niche Cells. *Stem cells international*, 2016, 4536187.