

Resource Summary Report

Generated by ASWG on Jul 30, 2026

C57BL/6NTac-Slc39a8^{tm1a(EUCOMM)Wtsi/Cnrm}

RRID:IMSR_EM:05285

Type: Organism

Proper Citation

RRID:IMSR_EM:05285

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=5285>

Proper Citation: RRID:IMSR_EM:05285

Description: Mus musculus with name C57BL/6NTac-Slc39a8^{tm1a(EUCOMM)Wtsi/Cnrm} from IMSR.

Species: Mus musculus

Notes: gene symbol note: solute carrier family 39 (metal ion transporter); member 8; mutant strain: Slc39a8

Affected Gene: solute carrier family 39 (metal ion transporter); member 8

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

Catalog Number: EM:05285

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: sperm

Organism Name: C57BL/6NTac-Slc39a8^{tm1a(EUCOMM)Wtsi/Cnrm}

Record Creation Time: 20250513T062226+0000

Record Last Update: 20260725T052954+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6NTac-Slc39a8^{tm1a(EUCOMM)Wtsi/Cnrm}.

No alerts have been found for C57BL/6NTac-Slc39a8^{tm1a(EUCOMM)Wtsi/Cnrm}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Sadikot RT, et al. (2025) Zinc Promotes Mitochondrial Health Through PGC-1alpha Enhancing Bacterial Clearance in Macrophages Infected with Mycobacterium avium Complex. International journal of molecular sciences, 26(19).

Damm-Ganamet KL, et al. (2025) Allosteric modulation of the solute carrier transporter SLC39A8 potentiates manganese and cadmium uptake. The Journal of clinical investigation, 135(21).

Liu Q, et al. (2023) Metal-ion transporter SLC39A8 is required for brain manganese uptake and accumulation. The Journal of biological chemistry, 299(8), 105078.