

Resource Summary Report

Generated by [NIF](#) on Sep 18, 2026

C57BL/6NTac-Atp5if1^{tm1a}(EUComm)Wtsi/WtsiCnbc

RRID:IMSR_EM:05233

Type: Organism

Proper Citation

RRID:IMSR_EM:05233

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=5233>

Proper Citation: RRID:IMSR_EM:05233

Description: Mus musculus with name C57BL/6NTac-Atp5if1^{tm1a}(EUComm)Wtsi/WtsiCnbc from IMSR.

Species: Mus musculus

Synonyms: C57BL/6NTac-Atpif1/WtsiCnbc

Notes: gene symbol note: ATP synthase inhibitory factor subunit 1; mutant strain: Atp5if1

Affected Gene: ATP synthase inhibitory factor subunit 1

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

Catalog Number: EM:05233

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: embryo

Organism Name: C57BL/6NTac-Atp5if1^{tm1a}(EUComm)Wtsi/WtsiCnbc

Record Creation Time: 20250513T062226+0000

Record Last Update: 20260912T065142+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6NTac-Atp5if1^{tm1a}(EUCOMM)Wtsi/WtsiCnbc.

No alerts have been found for C57BL/6NTac-Atp5if1^{tm1a}(EUCOMM)Wtsi/WtsiCnbc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Domínguez-Zorita S, et al. (2023) IF1 ablation prevents ATP synthase oligomerization, enhances mitochondrial ATP turnover and promotes an adenosine-mediated pro-inflammatory phenotype. *Cell death & disease*, 14(7), 413.

Esparza-Moltó PB, et al. (2021) Generation of mitochondrial reactive oxygen species is controlled by ATPase inhibitory factor 1 and regulates cognition. *PLoS biology*, 19(5), e3001252.