

# Resource Summary Report

Generated by ASWG on Jul 30, 2026

## C57BL/6NTac-Atp5if1<sup>tm1a</sup>(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<sup>tm1a</sup>(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<sup>tm1a</sup>(EUComm)Wtsi/WtsiCnbc

**Record Creation Time:** 20250513T062226+0000

**Record Last Update:** 20260725T052953+0000

### Ratings and Alerts

No rating or validation information has been found for C57BL/6NTac-Atp5if1<sup>tm1a</sup>(EUCOMM)Wtsi/WtsiCnbc.

No alerts have been found for C57BL/6NTac-Atp5if1<sup>tm1a</sup>(EUCOMM)Wtsi/WtsiCnbc.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** European Mouse Mutant Archive

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

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.