

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

B6(Cg)-Ncf1^{m1J}/J

RRID:IMSR_JAX:004742

Type: Organism

Proper Citation

RRID:IMSR_JAX:004742

Organism Information

URL: <https://www.jax.org/strain/004742>

Proper Citation: RRID:IMSR_JAX:004742

Description: Mus musculus with name B6(Cg)-Ncf1^{m1J}/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Ncf1/J

Notes: gene symbol note: neutrophil cytosolic factor 1; coisogenic strain|mutant strain: Ncf1

Affected Gene: neutrophil cytosolic factor 1

Genomic Alteration: mutation 1; Jackson

Catalog Number: JAX:004742

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6(Cg)-Ncf1^{m1J}/J

Record Creation Time: 20250513T053646+0000

Record Last Update: 20260725T044356+0000

Ratings and Alerts

No rating or validation information has been found for B6(Cg)-Ncf1^{m1J}/J.

No alerts have been found for B6(Cg)-Ncf1^{m1J}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Siow KM, et al. (2024) Targeted knock-in of NCF1 cDNA into the NCF2 locus leads to myeloid phenotypic correction of p47 phox -deficient chronic granulomatous disease. Molecular therapy. Nucleic acids, 35(3), 102229.

Wang Q, et al. (2021) CaMKII oxidation is a critical performance/disease trade-off acquired at the dawn of vertebrate evolution. Nature communications, 12(1), 3175.

Kalafati L, et al. (2020) Innate Immune Training of Granulopoiesis Promotes Anti-tumor Activity. Cell, 183(3), 771.

Kovacs SB, et al. (2020) Neutrophil Caspase-11 Is Essential to Defend against a Cytosol-Invasive Bacterium. Cell reports, 32(4), 107967.