

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 23, 2026

STOCK C5ar1^{tm1Cge}/J

RRID:IMSR_JAX:005676

Type: Organism

Proper Citation

RRID:IMSR_JAX:005676

Organism Information

URL: <https://www.jax.org/strain/005676>

Proper Citation: RRID:IMSR_JAX:005676

Description: Mus musculus with name STOCK C5ar1^{tm1Cge}/J from IMSR.

Species: Mus musculus

Synonyms: C.129S4(B6)-C5ar1/J. C.129S4(B6)-C5r1/J. C.Cg-C5r1/J

Notes: gene symbol note: complement component 5a receptor 1; mutant stock: C5ar1

Affected Gene: complement component 5a receptor 1

Genomic Alteration: targeted mutation 1; Craig Gerard

Catalog Number: JAX:005676

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: STOCK C5ar1^{tm1Cge}/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050604+0000

Ratings and Alerts

No rating or validation information has been found for STOCK C5ar1^{tm1Cge}/J.

No alerts have been found for STOCK C5ar1^{tm1Cge}/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 [PRECISE-TBI](#) .

Suzuki S, et al. (2026) Tumor-Derived Complement C3 Overexpression in STK11-Mutant Lung Adenocarcinoma Drives Tumor Growth and Immune Checkpoint Inhibitor Resistance. Cancer immunology research, 14(7), 1172.

Larsen RK, et al. (2025) Non-cell-autonomous tumor promotion in DICER1 cancer predisposition. Developmental cell.

Ding P, et al. (2022) Intracellular complement C5a/C5aR1 stabilizes β -catenin to promote colorectal tumorigenesis. Cell reports, 39(9), 110851.

Bujko K, et al. (2017) Signaling of the Complement Cleavage Product Anaphylatoxin C5a Through C5aR (CD88) Contributes to Pharmacological Hematopoietic Stem Cell Mobilization. Stem cell reviews and reports, 13(6), 793.