

Resource Summary Report

Generated by [dkNET](#) on Jul 30, 2026

C.129S4(B6)-C5ar1^{tm1Cge}/J

RRID:IMSR_JAX:006845

Type: Organism

Proper Citation

RRID:IMSR_JAX:006845

Organism Information

URL: <https://www.jax.org/strain/006845>

Proper Citation: RRID:IMSR_JAX:006845

Description: Mus musculus with name C.129S4(B6)-C5ar1^{tm1Cge}/J from IMSR.

Species: Mus musculus

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

Notes: gene symbol note: complement component 5a receptor 1; mutant strain|congenic strain: C5ar1

Affected Gene: complement component 5a receptor 1

Genomic Alteration: targeted mutation 1; Craig Gerard

Catalog Number: JAX:006845

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: C.129S4(B6)-C5ar1^{tm1Cge}/J

Record Creation Time: 20250513T053659+0000

Record Last Update: 20260725T044412+0000

Ratings and Alerts

No rating or validation information has been found for C.129S4(B6)-C5ar1^{tm1Cge}/J.

No alerts have been found for C.129S4(B6)-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 [dkNET](#) .

Sommerfeld O, et al. (2021) Targeting Complement C5a Receptor 1 for the Treatment of Immunosuppression in Sepsis. Molecular therapy : the journal of the American Society of Gene Therapy, 29(1), 338.

Kim SH, et al. (2021) Complement C5a promotes antigen cross-presentation by Peyer's patch monocyte-derived dendritic cells and drives a protective CD8+ T??cell response. Cell reports, 35(2), 108995.

van Dijk BJ, et al. (2020) Complement C5 Contributes to Brain Injury After Subarachnoid Hemorrhage. Translational stroke research, 11(4), 678.

Kwan WH, et al. (2013) Signaling through C5a receptor and C3a receptor diminishes function of murine natural regulatory T cells. The Journal of experimental medicine, 210(2), 257.