

Resource Summary Report

Generated by [kravitz2](#) on Sep 19, 2026

B6.129S4-F2r^{tm1Ajc}/J

RRID:IMSR_JAX:002862

Type: Organism

Proper Citation

RRID:IMSR_JAX:002862

Organism Information

URL: <https://www.jax.org/strain/002862>

Proper Citation: RRID:IMSR_JAX:002862

Description: Mus musculus with name B6.129S4-F2r^{tm1Ajc}/J from IMSR.

Species: Mus musculus

Notes: gene symbol note: coagulation factor II thrombin receptor; mutant strain|congenic strain: F2r

Affected Gene: coagulation factor II thrombin receptor

Genomic Alteration: targeted mutation 1; Andrew J Connolly

Catalog Number: JAX:002862

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.129S4-F2r^{tm1Ajc}/J

Record Creation Time: 20250513T053635+0000

Record Last Update: 20260919T054825+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S4-F2r^{tm1Ajc}/J.

No alerts have been found for B6.129S4-F2r^{tm1Ajc}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yoon H, et al. (2025) Regulation of CNS Lipids by Protease Activated Receptor 1. Journal of neurochemistry, 169(3), e70047.

Triplet EM, et al. (2021) The thrombin receptor links brain derived neurotrophic factor to neuron cholesterol production, resiliency and repair after spinal cord injury. Neurobiology of disease, 152, 105294.

Chen H, et al. (2021) The role of protease-activated receptor 1 signaling in CD8 T??cell effector functions. iScience, 24(11), 103387.

Kim HN, et al. (2021) The thrombin receptor modulates astroglia-neuron trophic coupling and neural repair after spinal cord injury. Glia, 69(9), 2111.

Kim S, et al. (2018) PAR-1 is a novel mechano-sensor transducing laminar flow-mediated endothelial signaling. Scientific reports, 8(1), 15172.

Choi CI, et al. (2018) The Thrombin Receptor Restricts Subventricular Zone Neural Stem Cell Expansion and Differentiation. Scientific reports, 8(1), 9360.

Mao X, et al. (2015) Interference with protease-activated receptor 1 does not reduce damage to subventricular zone cells of immature rodent brain following exposure to blood or blood plasma. Journal of negative results in biomedicine, 14, 3.

Scarisbrick IA, et al. (2011) Functional role of kallikrein 6 in regulating immune cell survival. PloS one, 6(3), e18376.