

Resource Summary Report

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

C57BL/6J-Ms4a3^{em2}(cre)Fgnx/J

RRID:IMSR_JAX:036382

Type: Organism

Proper Citation

RRID:IMSR_JAX:036382

Organism Information

URL: <https://www.jax.org/strain/036382>

Proper Citation: RRID:IMSR_JAX:036382

Description: Mus musculus with name C57BL/6J-Ms4a3^{em2}(cre)Fgnx/J from IMSR.

Species: Mus musculus

Synonyms: C57BL/6J-Ms4a3/J

Notes: gene symbol note: membrane-spanning 4-domains; subfamily A; member 3; coisogenic strain|mutant strain: Ms4a3

Affected Gene: membrane-spanning 4-domains; subfamily A; member 3

Genomic Alteration: endonuclease-mediated mutation 2; Florent Ginhoux

Catalog Number: JAX:036382

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: C57BL/6J-Ms4a3^{em2}(cre)Fgnx/J

Record Creation Time: 20250513T053853+0000

Record Last Update: 20260725T044546+0000

Ratings and Alerts

No rating or validation information has been found for C57BL/6J-Ms4a3^{em2}(cre)Fgnx/J.

No alerts have been found for C57BL/6J-Ms4a3^{em2(cre)}Fgmx/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 [RRID](#).

Hamagami N, et al. (2026) State-specific enhancer landscapes govern microglial plasticity. *Immunity*.

Chen Y, et al. (2025) Macrophage-derived CTSS drives the age-dependent disruption of the blood-CSF barrier. *Neuron*, 113(7), 1082.

Hohsfield LA, et al. (2025) Identification of the velum interpositum as a meningeal-CNS route for myeloid cell trafficking into the brain. *Neuron*, 113(15), 2455.

Ma W, et al. (2025) Embryonic mast cells arise from the Cpa3-expressing precursors but not granulocyte-monocyte progenitors. *Science China. Life sciences*, 68(8), 2363.

Hegde S, et al. (2024) Myeloid progenitor dysregulation fuels immunosuppressive macrophages in tumors. *bioRxiv : the preprint server for biology*.

Patir A, et al. (2024) Phenotypic and spatial heterogeneity of brain myeloid cells after stroke is associated with cell ontogeny, tissue damage, and brain connectivity. *Cell reports*, 43(5), 114250.

Trzebanski S, et al. (2024) Classical monocyte ontogeny dictates their functions and fates as tissue macrophages. *Immunity*, 57(6), 1225.

Rodrigues PF, et al. (2024) Progenitors of distinct lineages shape the diversity of mature type 2 conventional dendritic cells. *Immunity*, 57(7), 1567.