

Resource Summary Report

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

B6J.Cg-Fus^{tm3.1(FUS)}Emcf/EmcfH

RRID:IMSR_EM:13073

Type: Organism

Proper Citation

RRID:IMSR_EM:13073

Organism Information

URL: <https://www.infrafrontier.eu/emma/strain-details/?q=13073>

Proper Citation: RRID:IMSR_EM:13073

Description: Mus musculus with name B6J.Cg-Fus^{tm3.1(FUS)}Emcf/EmcfH from IMSR.

Species: Mus musculus

Synonyms: B6.129(Cg)-Fus/EmcfH

Notes: gene symbol note: fused in sarcoma; mutant strain: Fus

Affected Gene: fused in sarcoma

Genomic Alteration: targeted mutation 3.1; Elizabeth MC Fisher

Catalog Number: EM:13073

Database: European Mouse Mutant Archive

Database Abbreviation: EMMA

Availability: sperm

Alternate IDs: MGI:6750864, IMSR_HAR:8388

Organism Name: B6J.Cg-Fus^{tm3.1(FUS)}Emcf/EmcfH

Record Creation Time: 20250513T062318+0000

Record Last Update: 20260725T053050+0000

Ratings and Alerts

No rating or validation information has been found for B6J.Cg-Fus^{tm3.1(FUS)Emcf/EmcfH}.

No alerts have been found for B6J.Cg-Fus^{tm3.1(FUS)Emcf/EmcfH}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: European Mouse Mutant Archive

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Baptista AP, et al. (2025) TLR ligand sensing by lymph node FRCs directs intranodal lymphocyte accumulation to promote immune responses. *iScience*, 28(11), 113734.

d'Uscio LV, et al. (2025) Expression and function of ??-site amyloid precursor protein-cleaving enzyme 2 in vascular endothelium. *American journal of physiology. Heart and circulatory physiology*, 329(2), H291.

Gonzalez Medina M, et al. (2024) Cell-Specific Effects of Insulin in a Murine Model of Restenosis Under Insulin-Sensitive and Insulin-Resistant Conditions. *Cells*, 13(16).

Decker-Rockefeller B, et al. (2023) Whole mount of adult ear skin as a model to study vascular malformations. *Animal models and experimental medicine*, 6(4), 362.

Dinakaran S, et al. (2023) CDK6-mediated endothelial cell cycle acceleration drives arteriovenous malformations in hereditary hemorrhagic telangiectasia. *bioRxiv : the preprint server for biology*.

Ivanova E, et al. (2022) AAV-BR1 targets endothelial cells in the retina to reveal their morphological diversity and to deliver Cx43. *The Journal of comparative neurology*, 530(8), 1302.

Cui Y, et al. (2021) Brain endothelial PTEN/AKT/NEDD4-2/MFSD2A axis regulates blood-brain barrier permeability. *Cell reports*, 36(1), 109327.

Utz SG, et al. (2020) Early Fate Defines Microglia and Non-parenchymal Brain Macrophage Development. *Cell*, 181(3), 557.

Chakraborty T, et al. (2019) Light-sheet microscopy of cleared tissues with isotropic, subcellular resolution. *Nature methods*, 16(11), 1109.

Comazzetto S, et al. (2019) Restricted Hematopoietic Progenitors and Erythropoiesis Require SCF from Leptin Receptor+ Niche Cells in the Bone Marrow. *Cell stem cell*, 24(3), 477.

Tan C, et al. (2019) Endothelium-Derived Semaphorin 3G Regulates Hippocampal Synaptic Structure and Plasticity via Neuropilin-2/PlexinA4. *Neuron*, 101(5), 920.

Wang J, et al. (2019) Brain Endothelial Cells Maintain Lactate Homeostasis and Control Adult Hippocampal Neurogenesis. *Cell stem cell*, 25(6), 754.

Murphy PA, et al. (2018) Alternative RNA splicing in the endothelium mediated in part by Rbfox2 regulates the arterial response to low flow. *eLife*, 7.

Ramo K, et al. (2016) Suppression of ischemia in arterial occlusive disease by JNK-promoted native collateral artery development. *eLife*, 5.