

Resource Summary Report

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B6.Cg-Tg(Gfap-TK)7.1Mvs/J

RRID:IMSR_JAX:005698

Type: Organism

Proper Citation

RRID:IMSR_JAX:005698

Organism Information

URL: <https://www.jax.org/strain/005698>

Proper Citation: RRID:IMSR_JAX:005698

Description: Mus musculus with name B6.Cg-Tg(Gfap-TK)7.1Mvs/J from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Tg(Gfap-Tk)7.1Mvs/J

Notes: gene symbol note: herpes simplex virus thymidine kinase|glial fibrillary acidic protein|transgene insertion 7.1; Michael V Sofroniew|herpes simplex virus thymidine kinase|glial fibrillary acidic protein|transgene insertion 7.1; Michael V Sofroniew; mutant strain: HSV-TK|Gfap|Tg(Gfap-TK)7.1Mvs|HSV-TK|Gfap|Tg(Gfap-TK)7.1Mvs

Affected Gene: herpes simplex virus thymidine kinase|glial fibrillary acidic protein|transgene insertion 7.1; Michael V Sofroniew|herpes simplex virus thymidine kinase|glial fibrillary acidic protein|transgene insertion 7.1; Michael V Sofroniew

Genomic Alteration: transgene insertion 7.1; Michael V Sofroniew

Catalog Number: JAX:005698

Database: International Mouse Resource Center IMSR, JAX

Database Abbreviation: IMSR

Availability: embryo

Organism Name: B6.Cg-Tg(Gfap-TK)7.1Mvs/J

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Tg(Gfap-TK)7.1Mvs/J.

No alerts have been found for B6.Cg-Tg(Gfap-TK)7.1Mvs/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: International Mouse Resource Center IMSR, JAX

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Molina-Gonzalez I, et al. (2023) Astrocyte-oligodendrocyte interaction regulates central nervous system regeneration. Nature communications, 14(1), 3372.

O'Shea TM, et al. (2022) Lesion environments direct transplanted neural progenitors towards a wound repair astroglial phenotype in mice. Nature communications, 13(1), 5702.

Williamson MR, et al. (2021) Reactive astrocytes facilitate vascular repair and remodeling after stroke. Cell reports, 35(4), 109048.

Jain S, et al. (2019) Adult neurogenesis in the mouse dentate gyrus protects the hippocampus from neuronal injury following severe seizures. Hippocampus, 29(8), 683.

Youssef M, et al. (2018) Ablation of proliferating neural stem cells during early life is sufficient to reduce adult hippocampal neurogenesis. Hippocampus, 28(8), 586.

Liu B, et al. (2014) Maternal hematopoietic TNF, via milk chemokines, programs hippocampal development and memory. Nature neuroscience, 17(1), 97.